

Introduksjon til Flux

Hva?

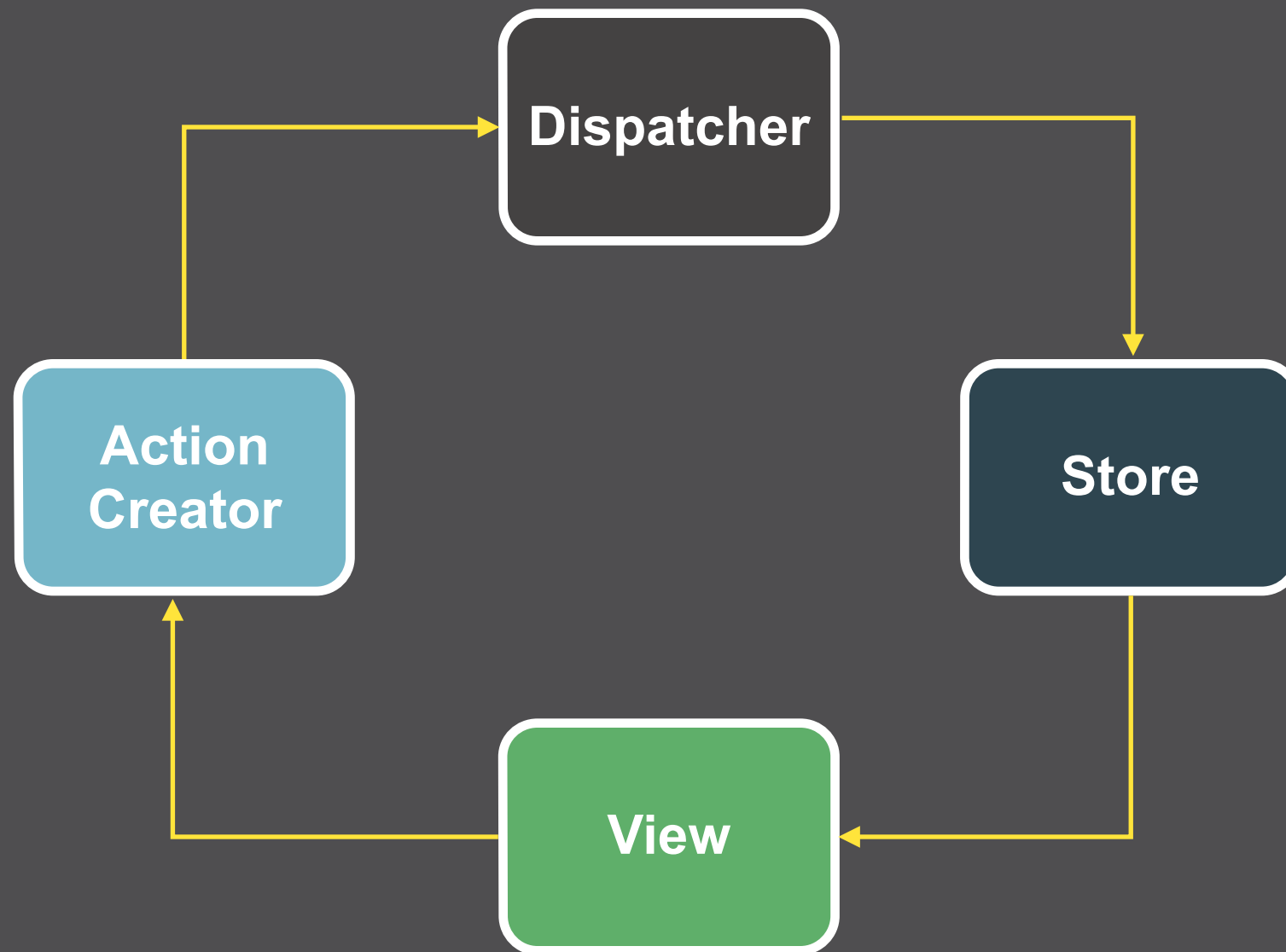
Hvordan?

Hvorfor?

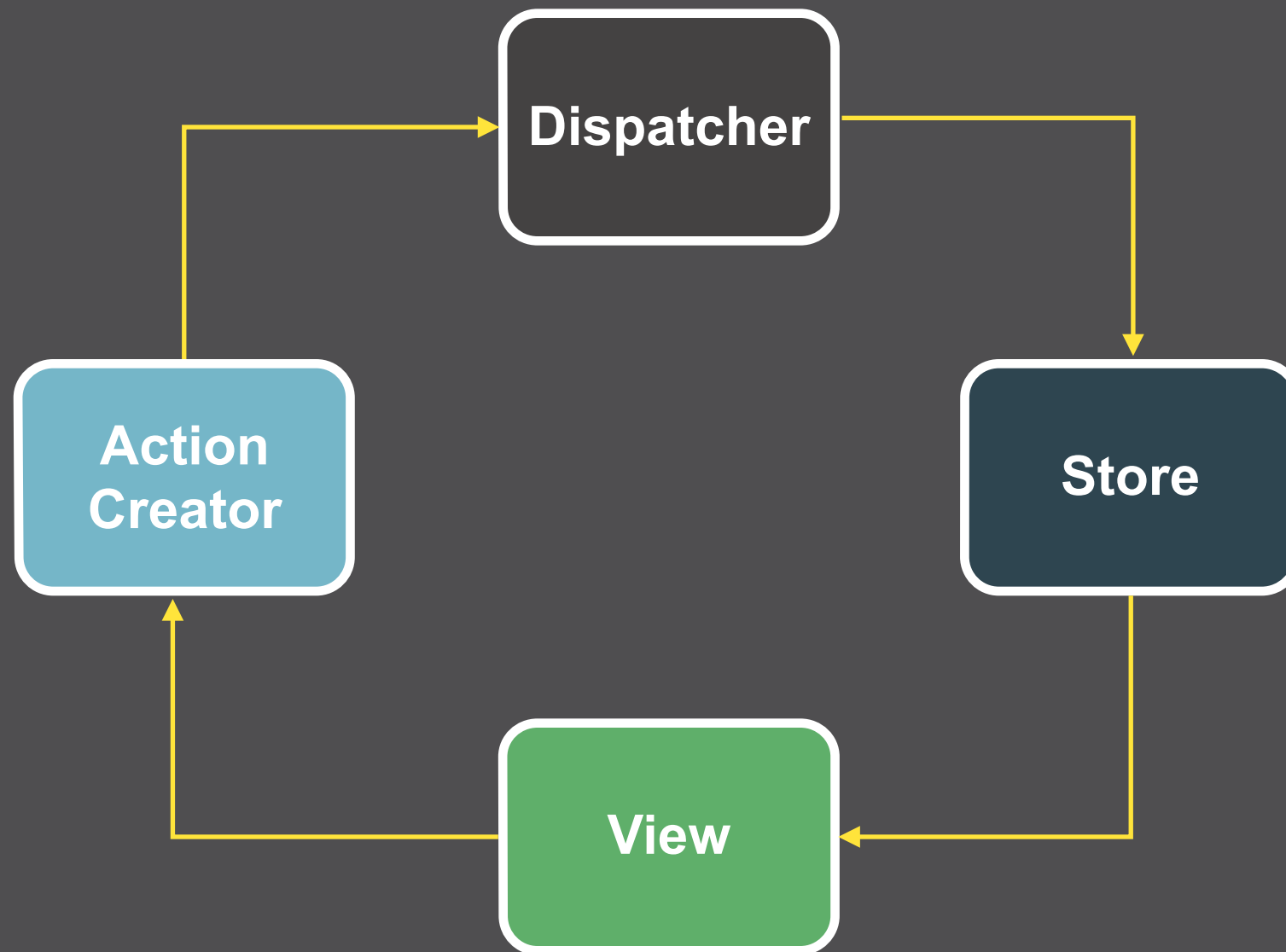
Hva?

**Et design pattern for
frontend**

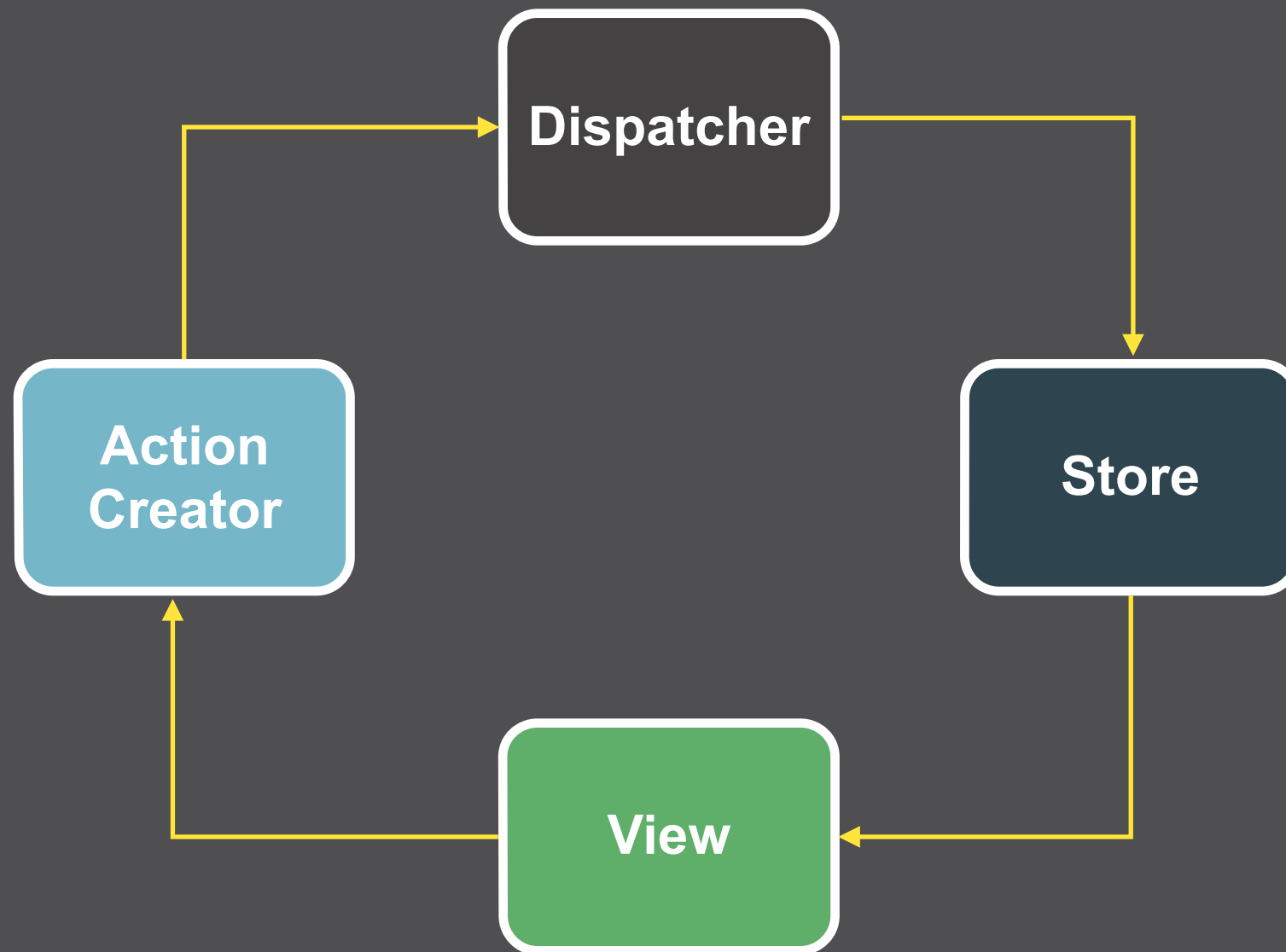
Flux



Mental modell

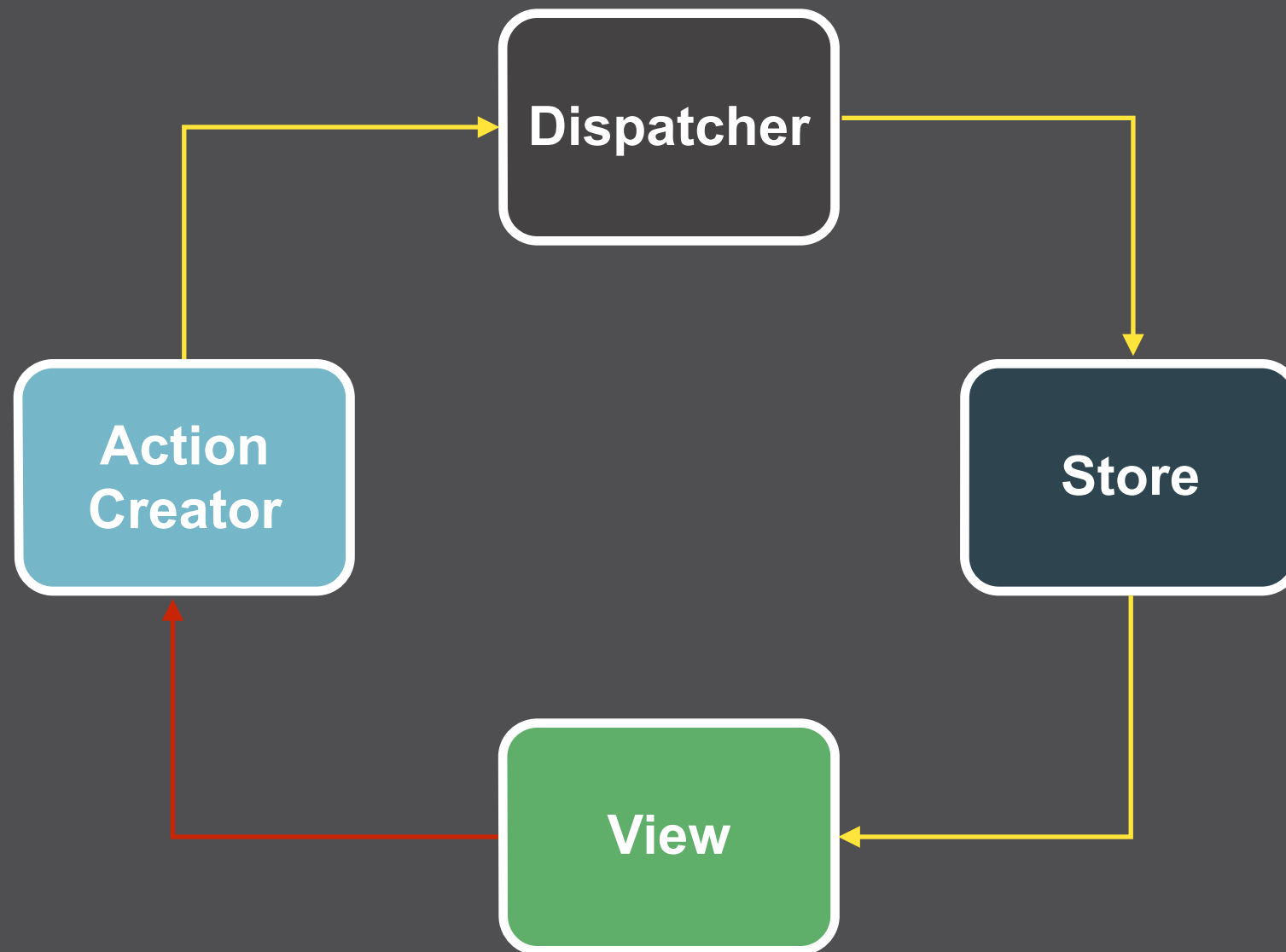


Dataflyten går kun én vei

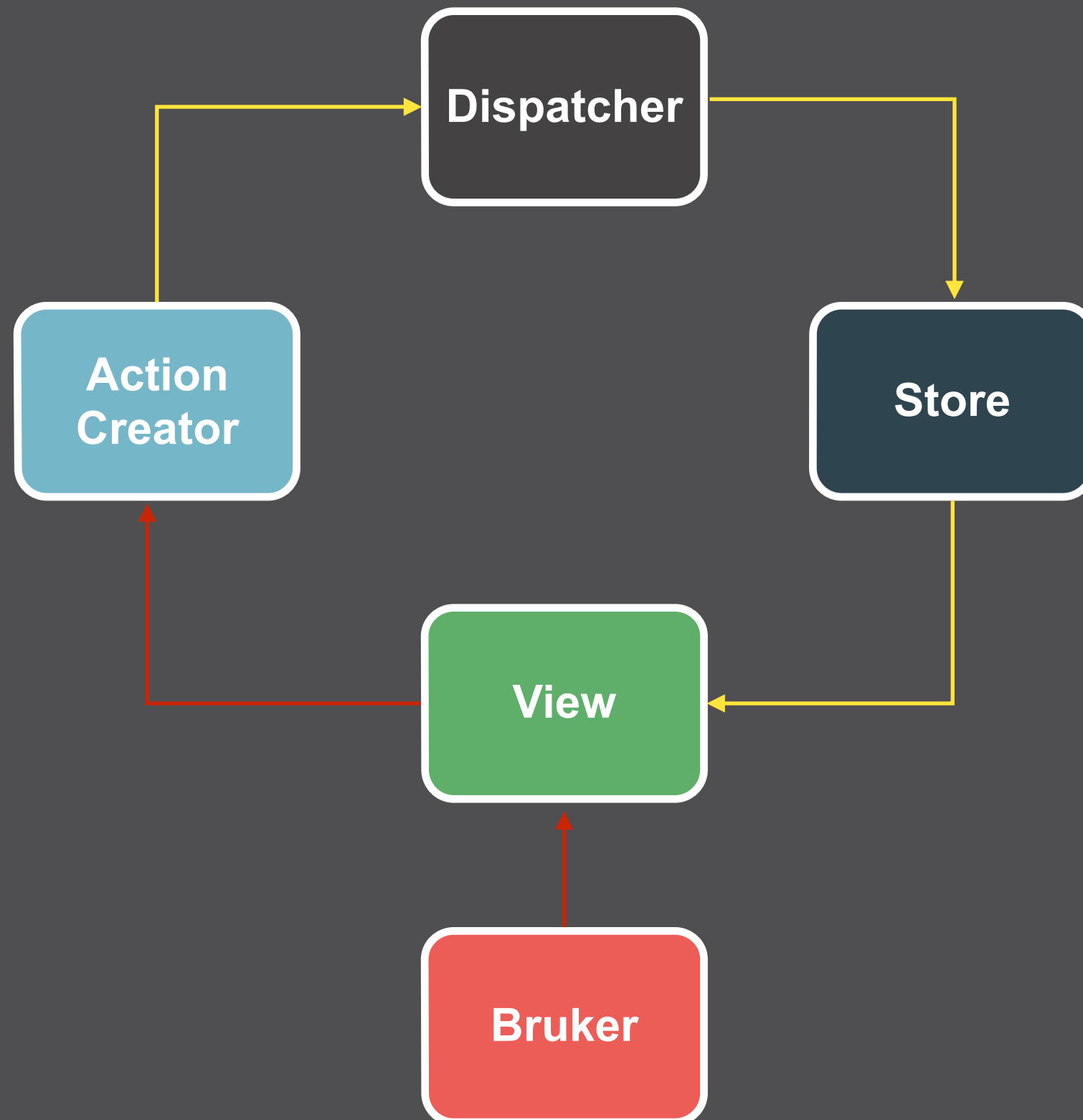


Hvordan?

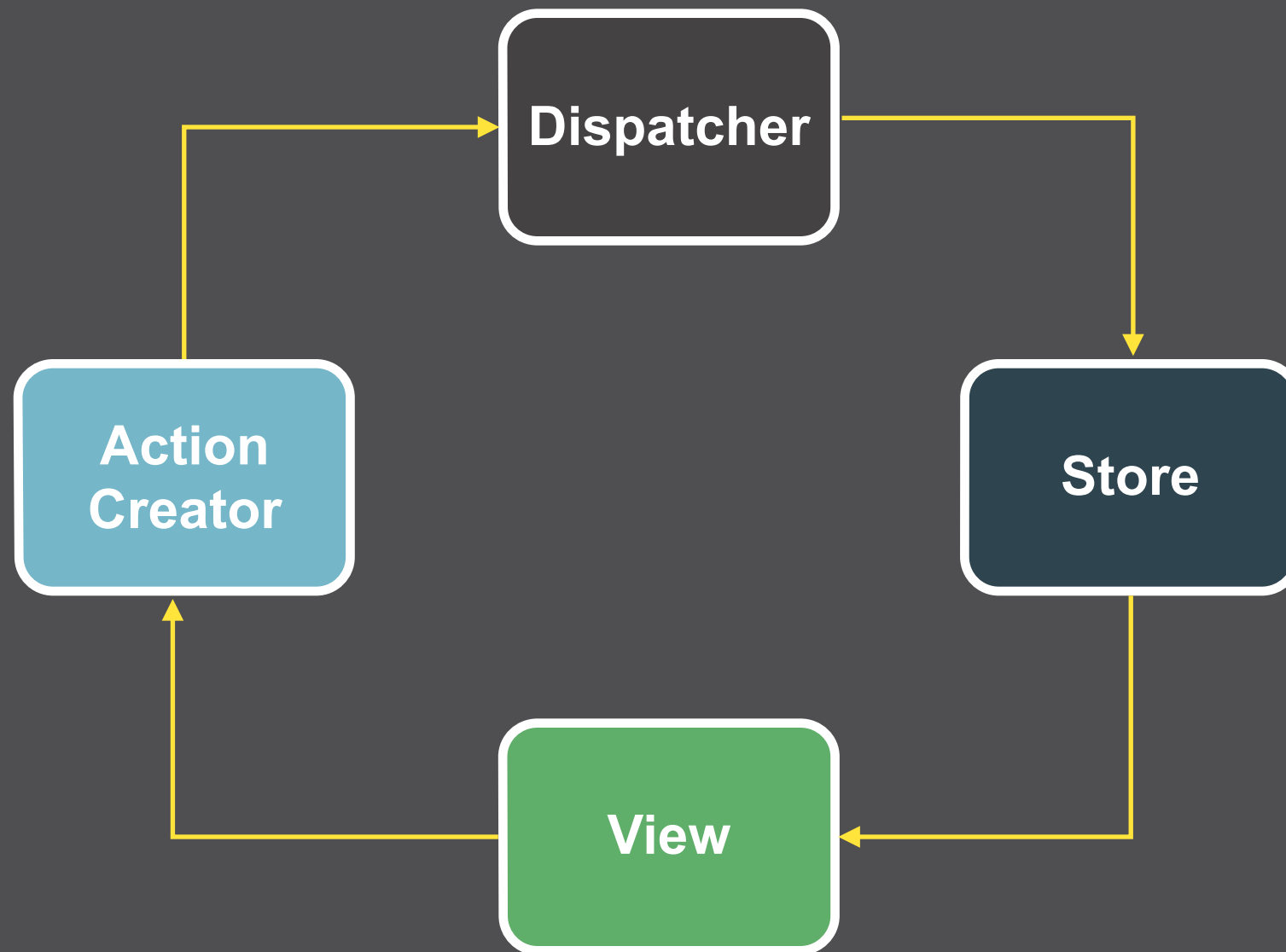
Hvor kommer data fra?



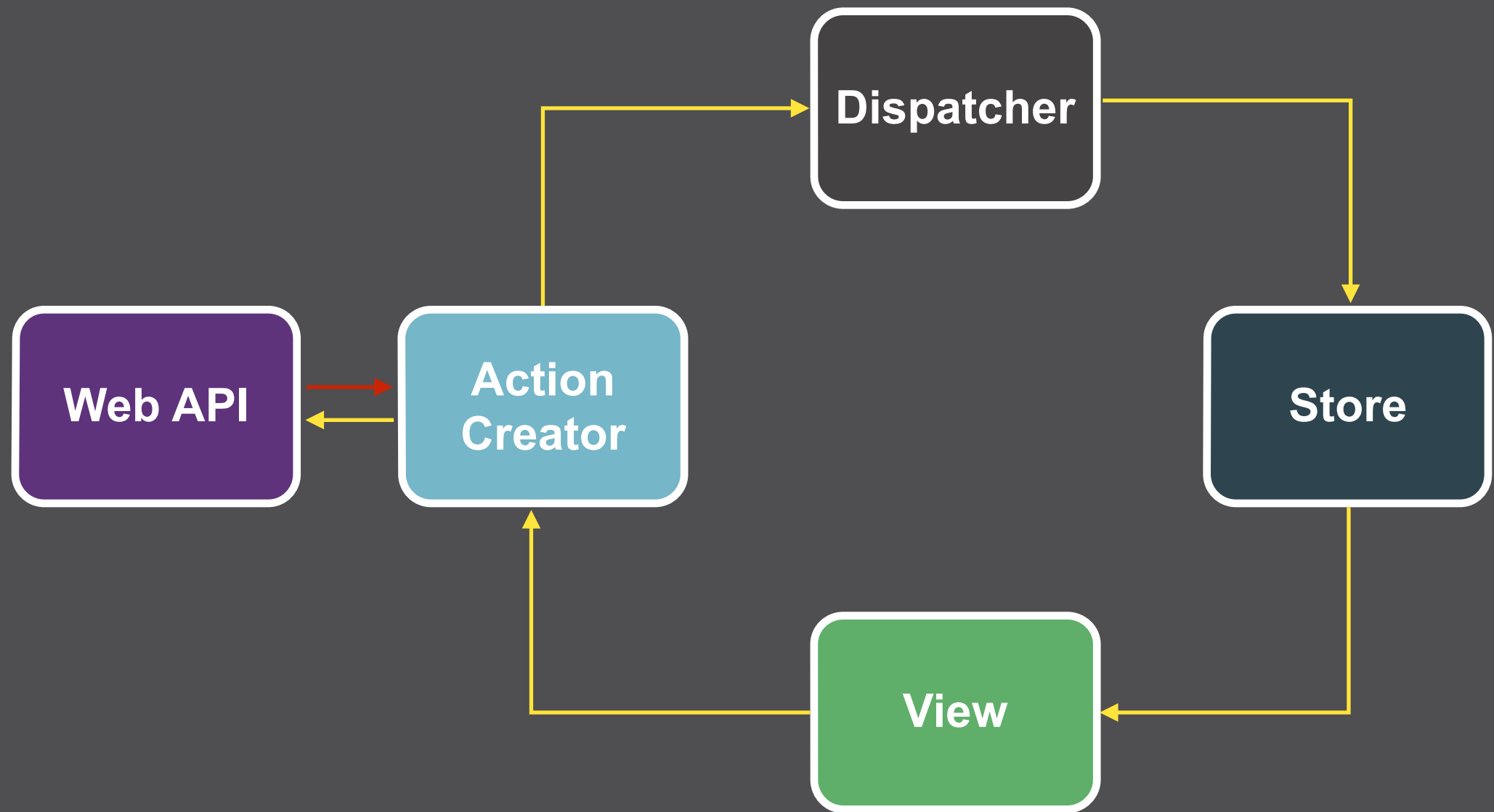
Hvor kommer data fra?



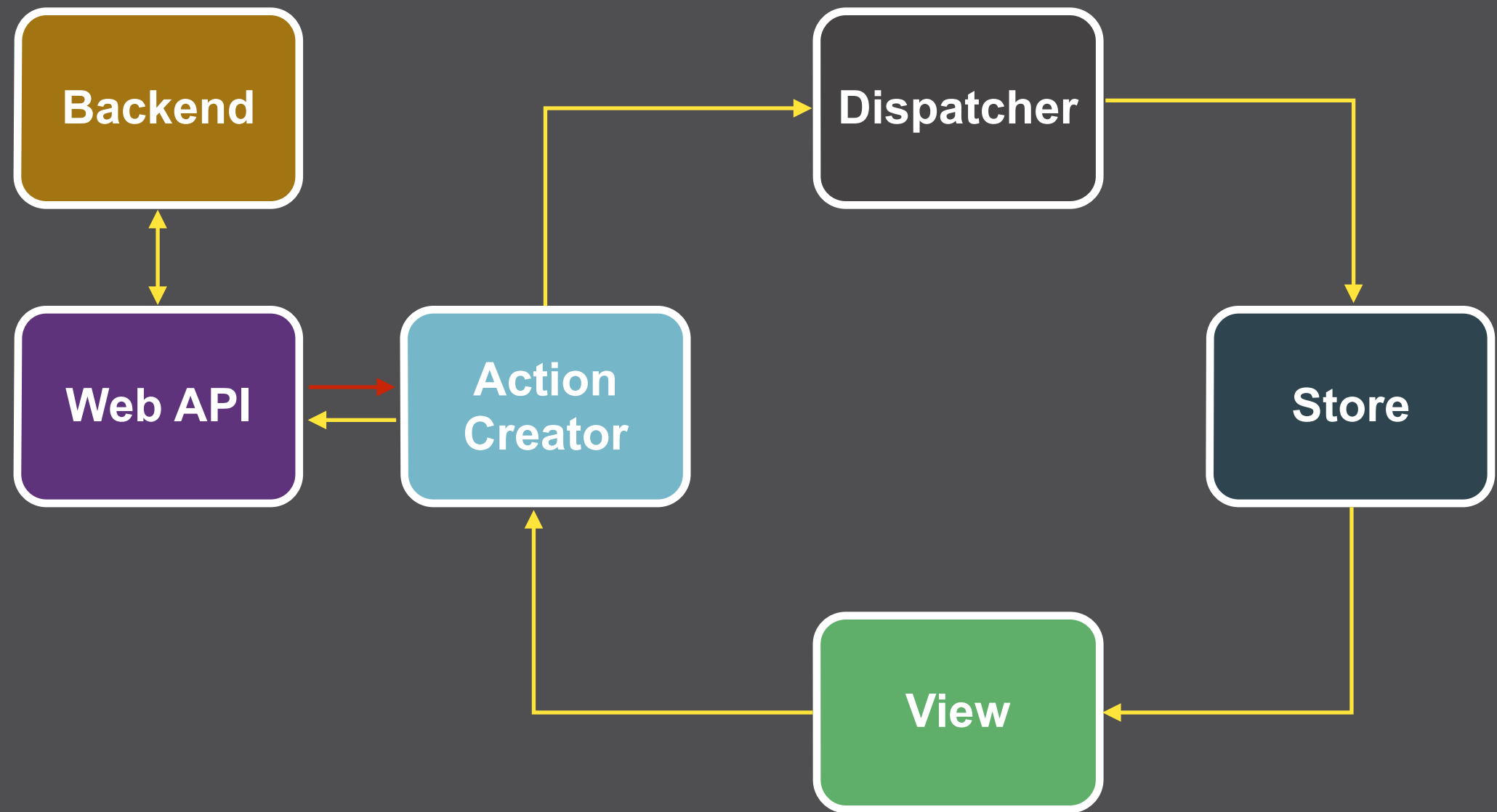
Data fra backend?



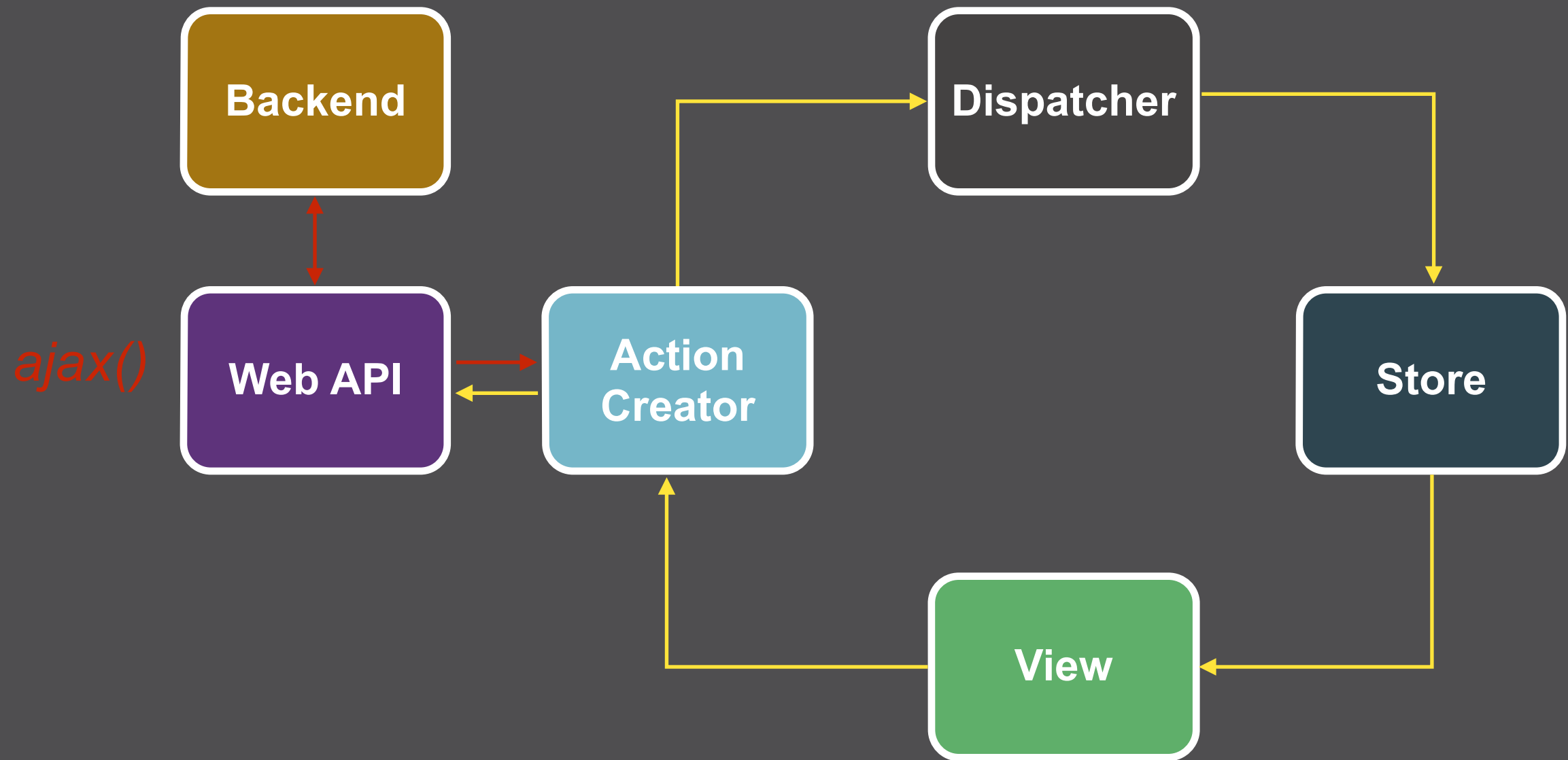
Data fra backend?



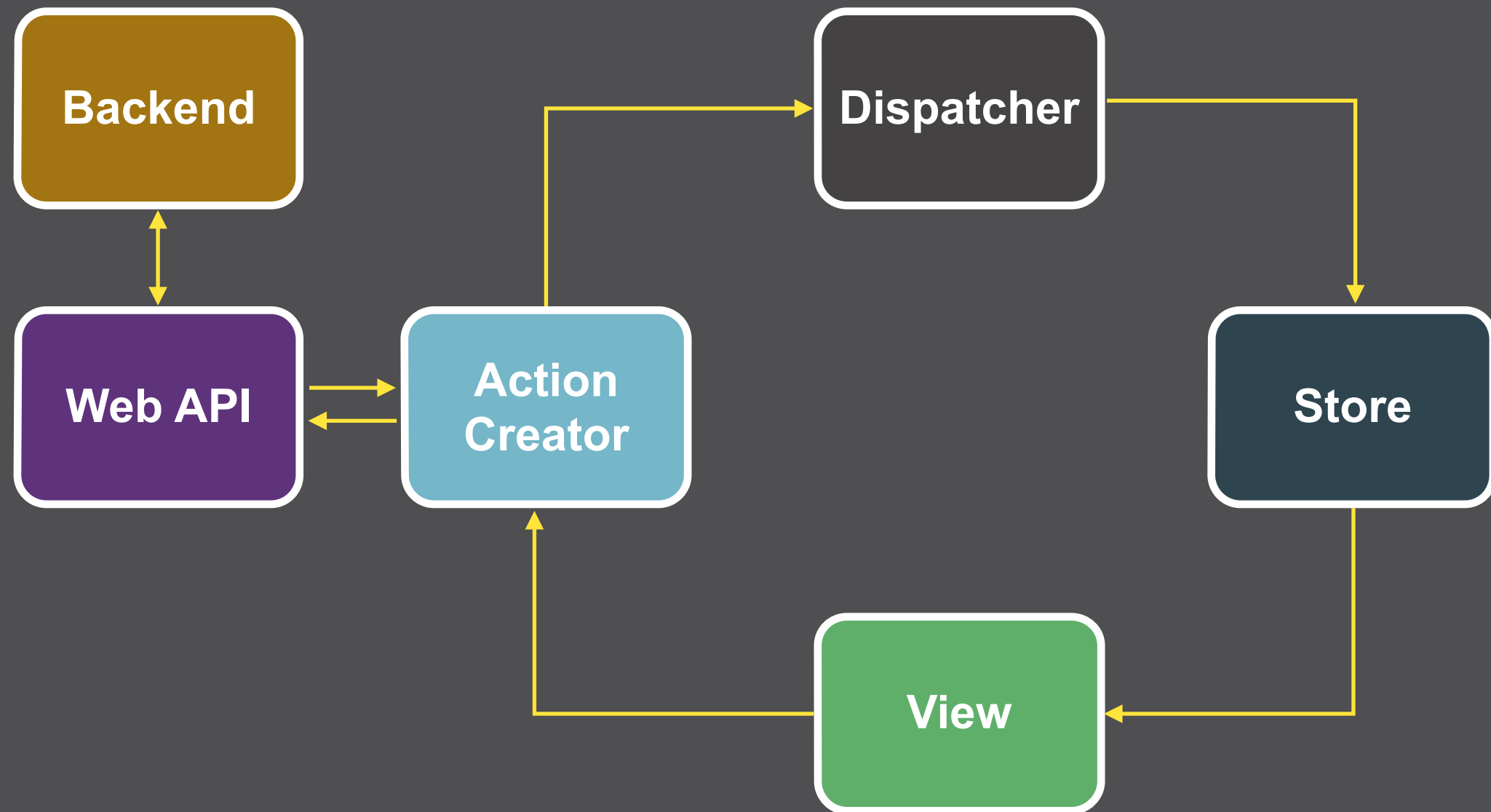
Data fra backend?



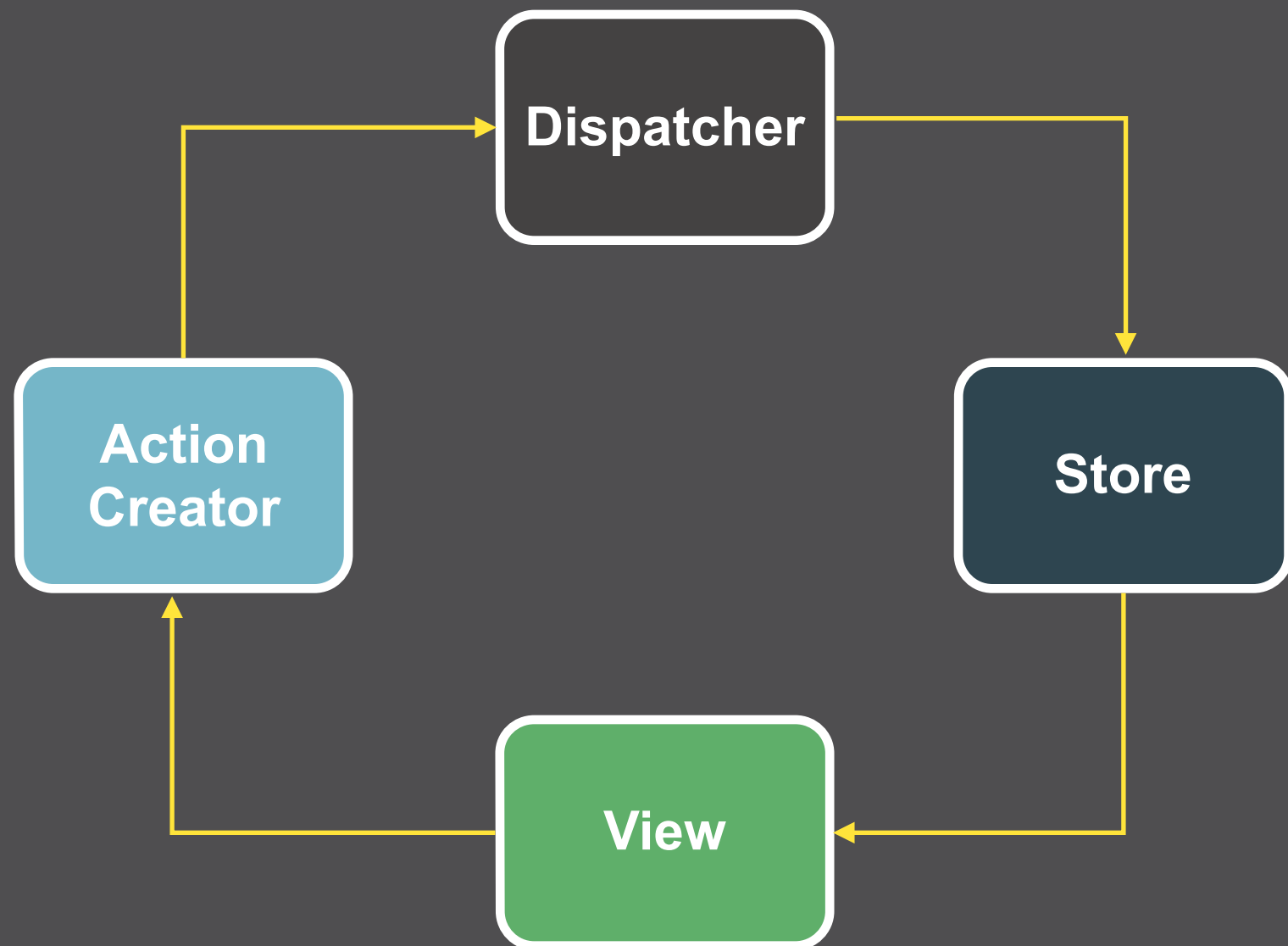
Data fra backend?



Hele arkitekturen

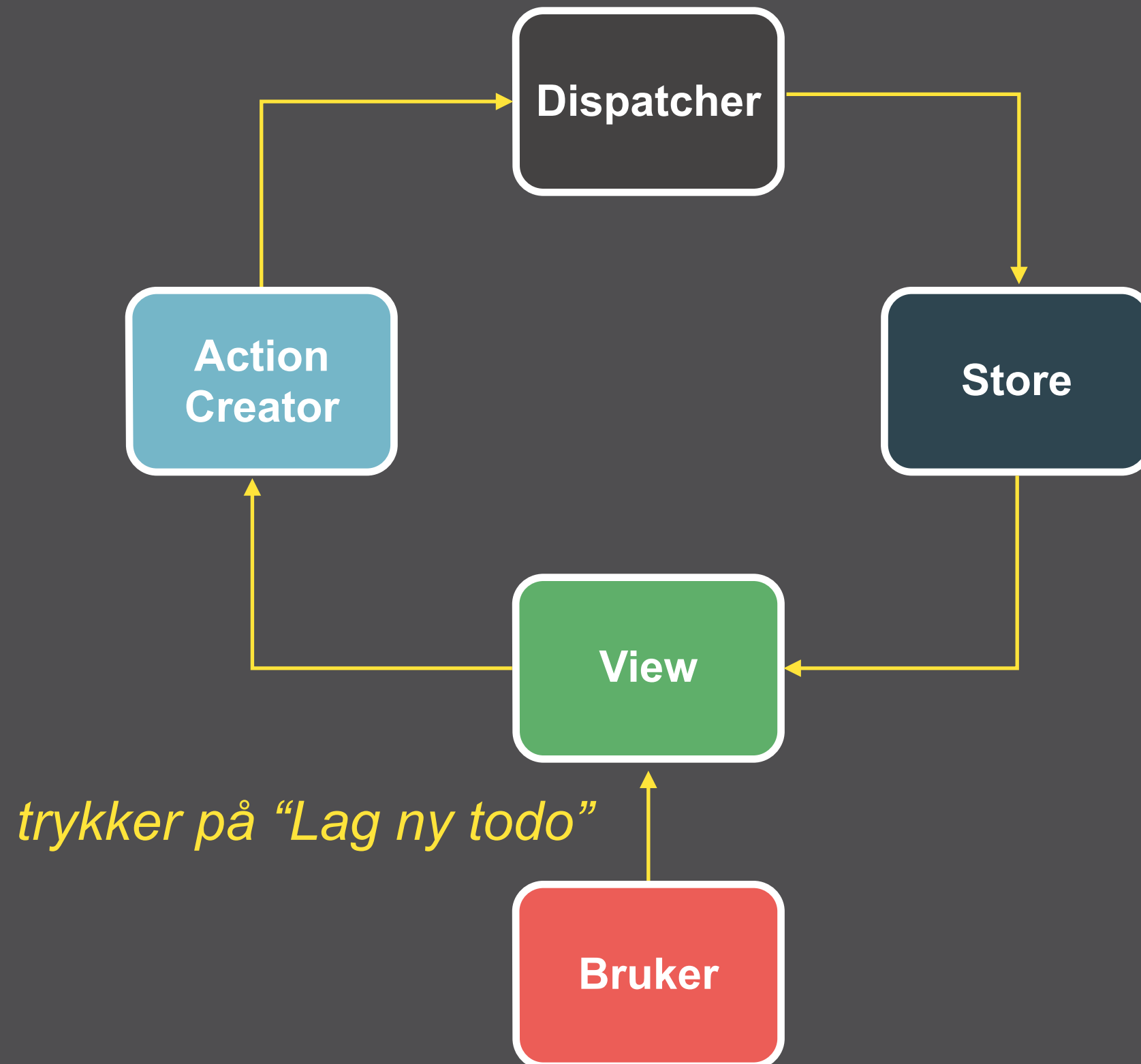


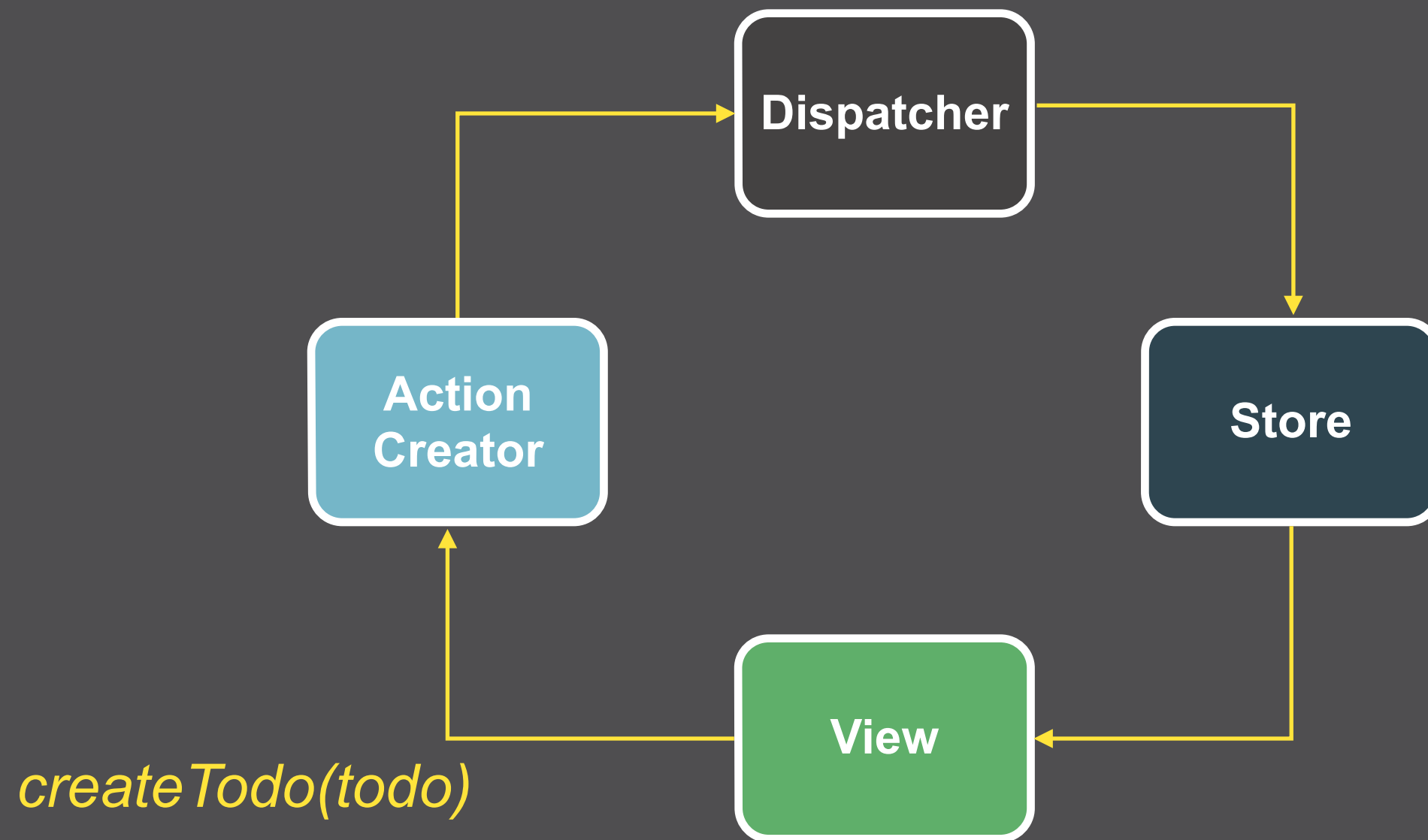
Mental modell



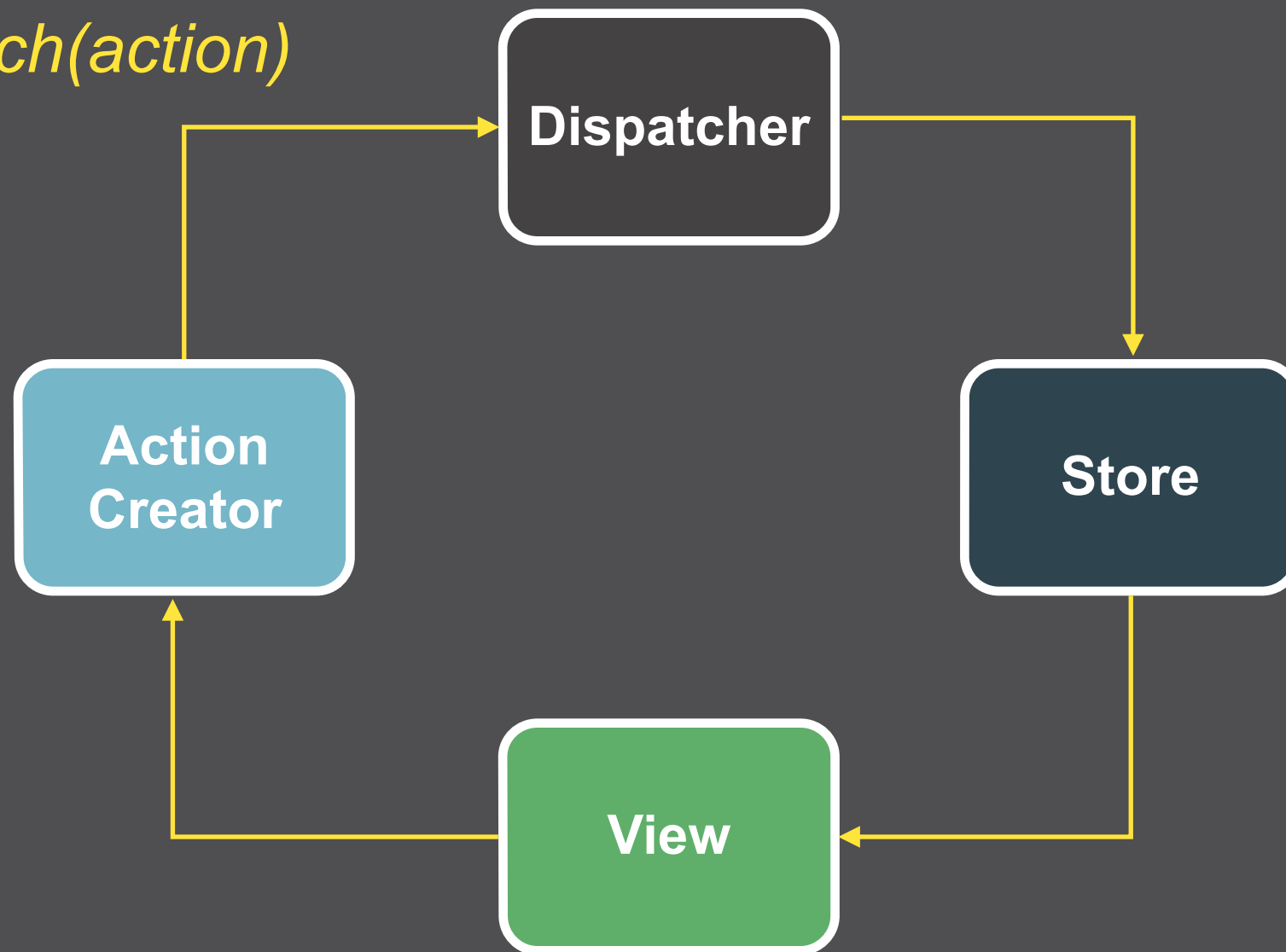
Eksempelscenario

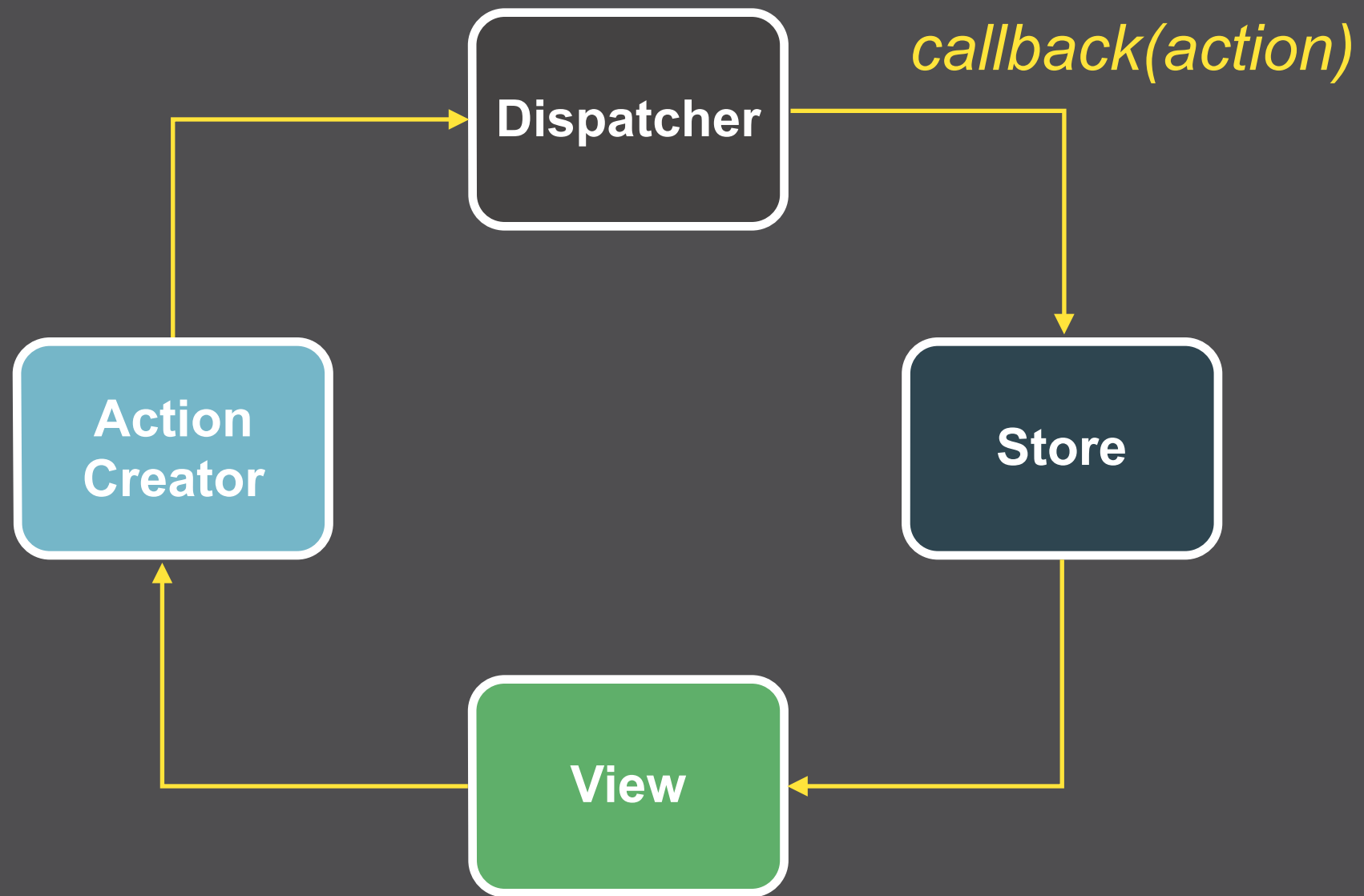
En Todo-App!

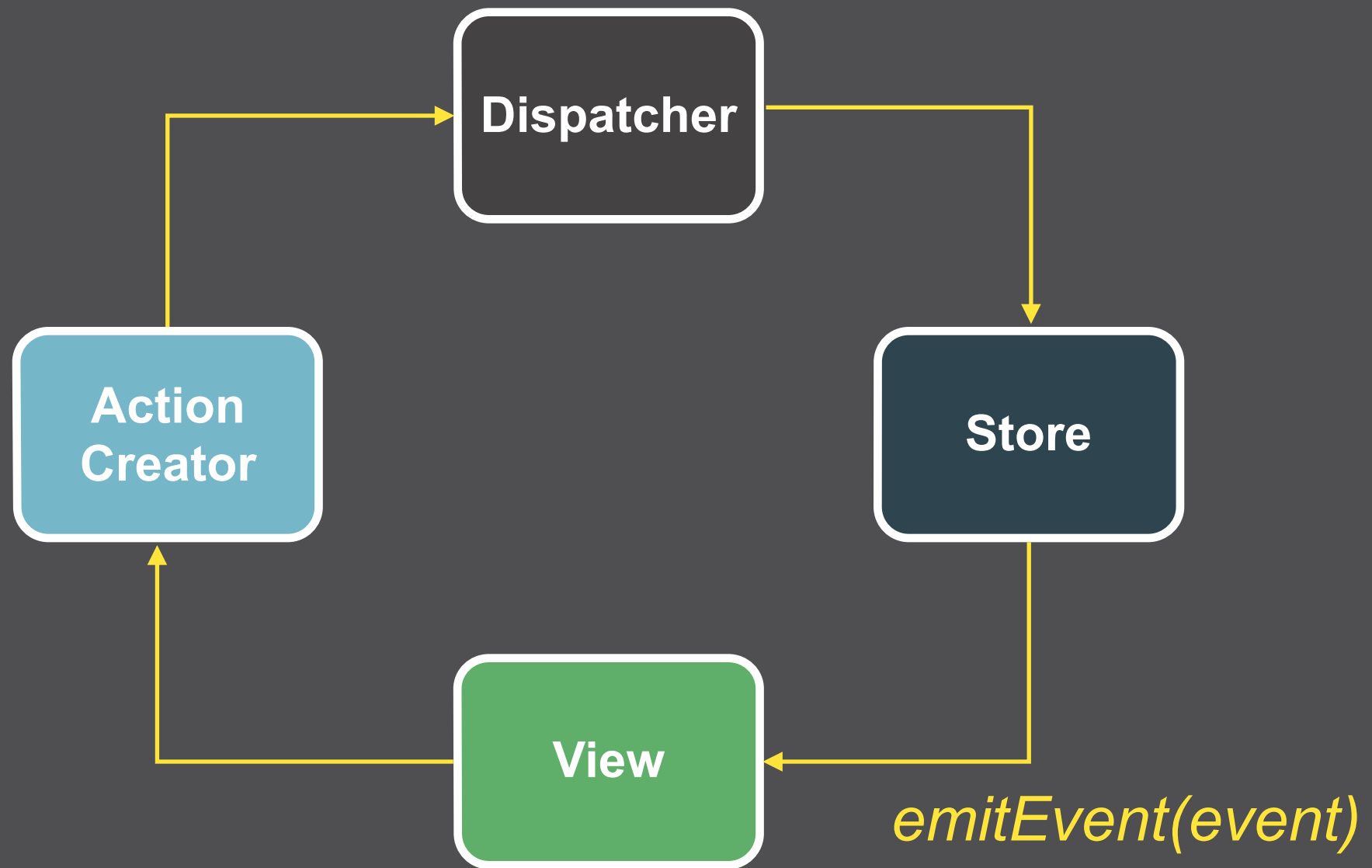


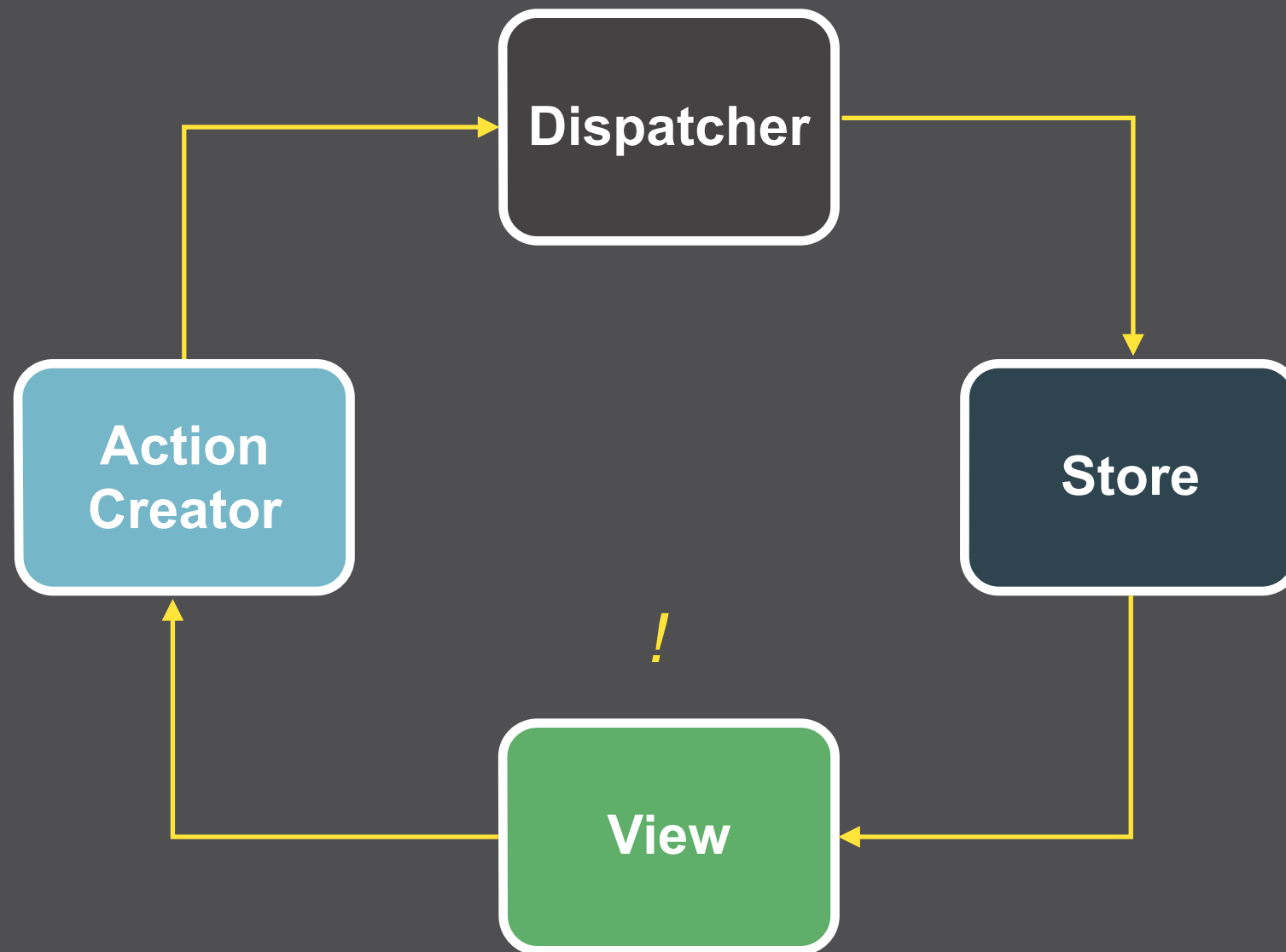


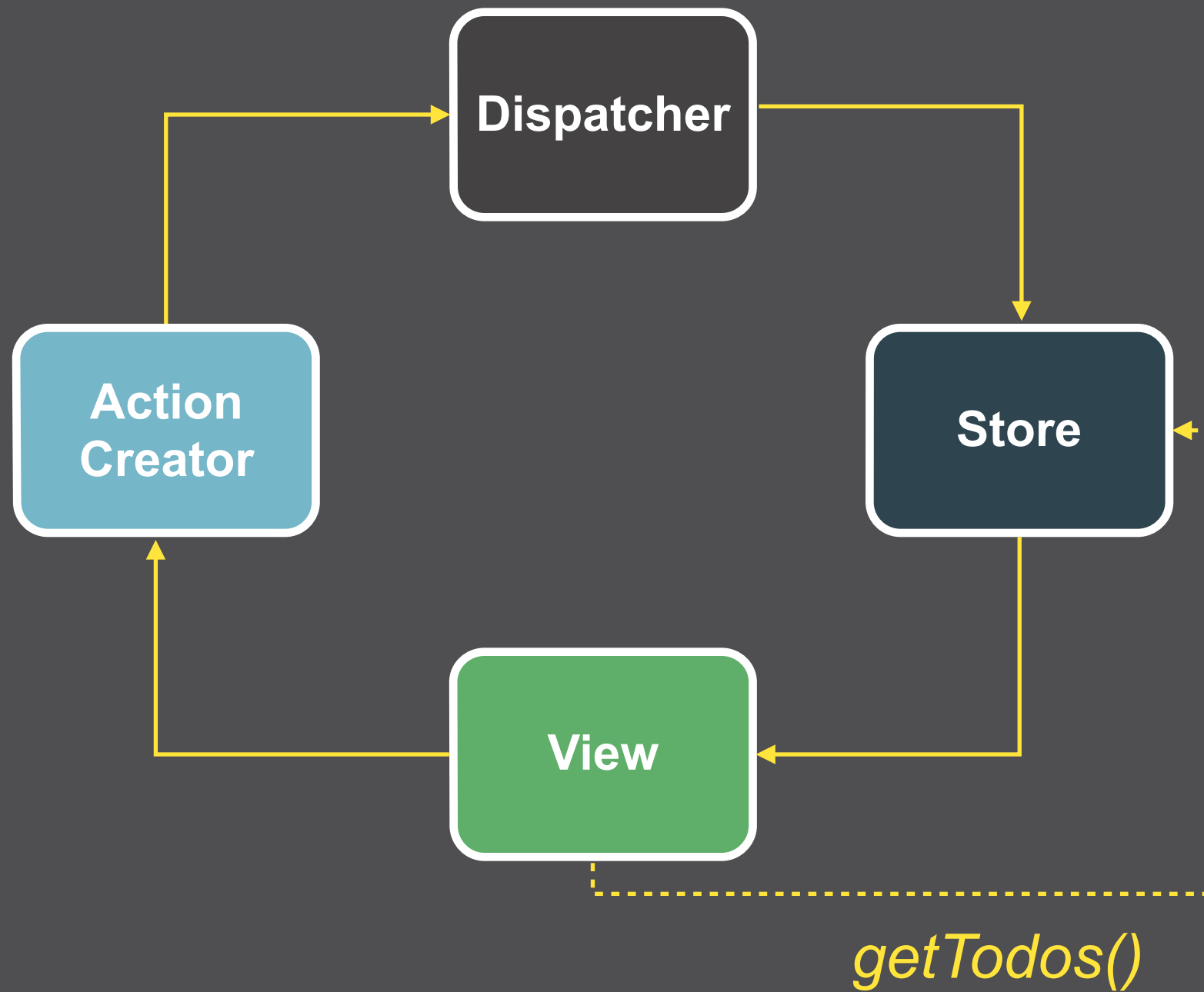
dispatch(action)

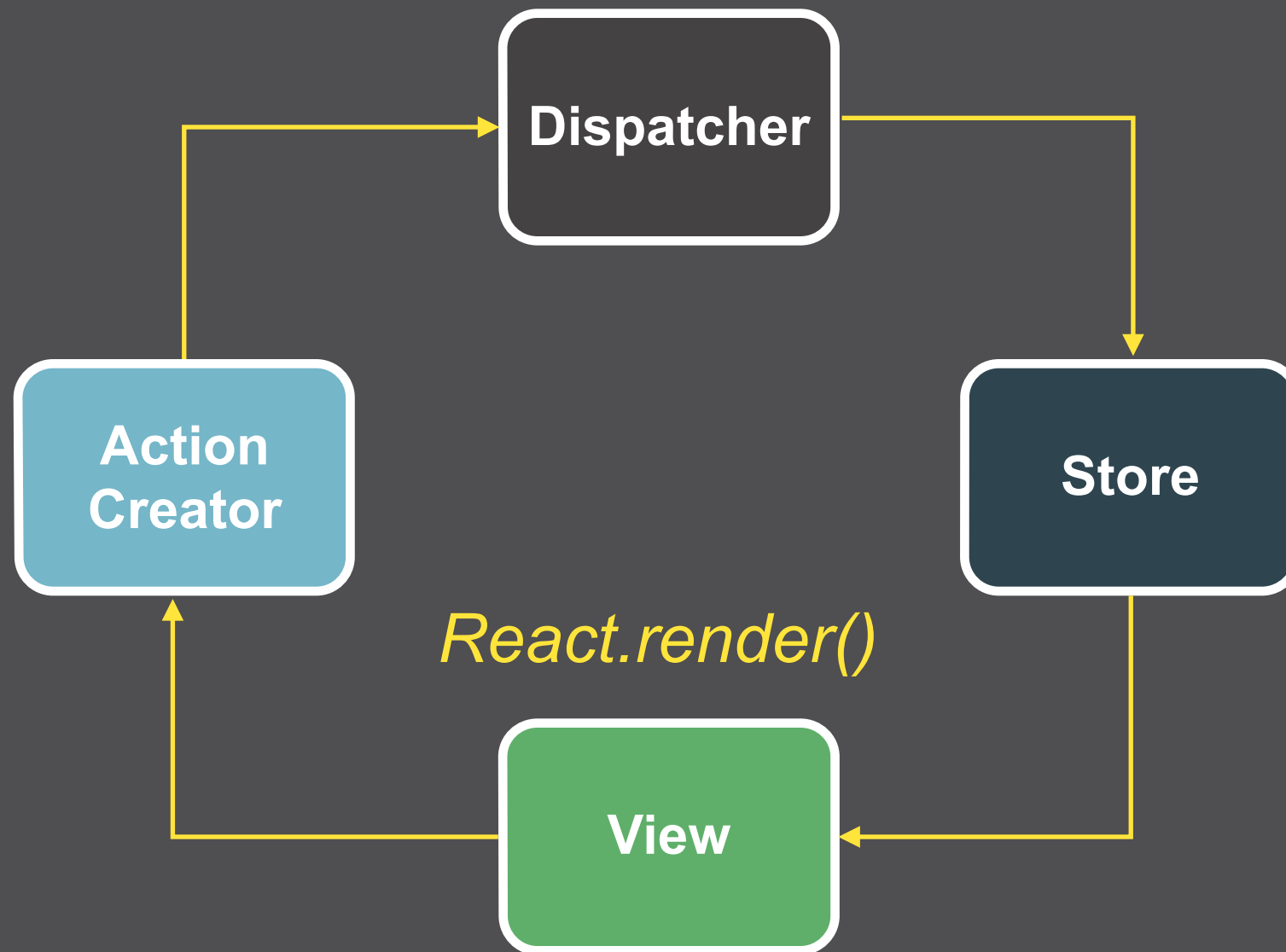


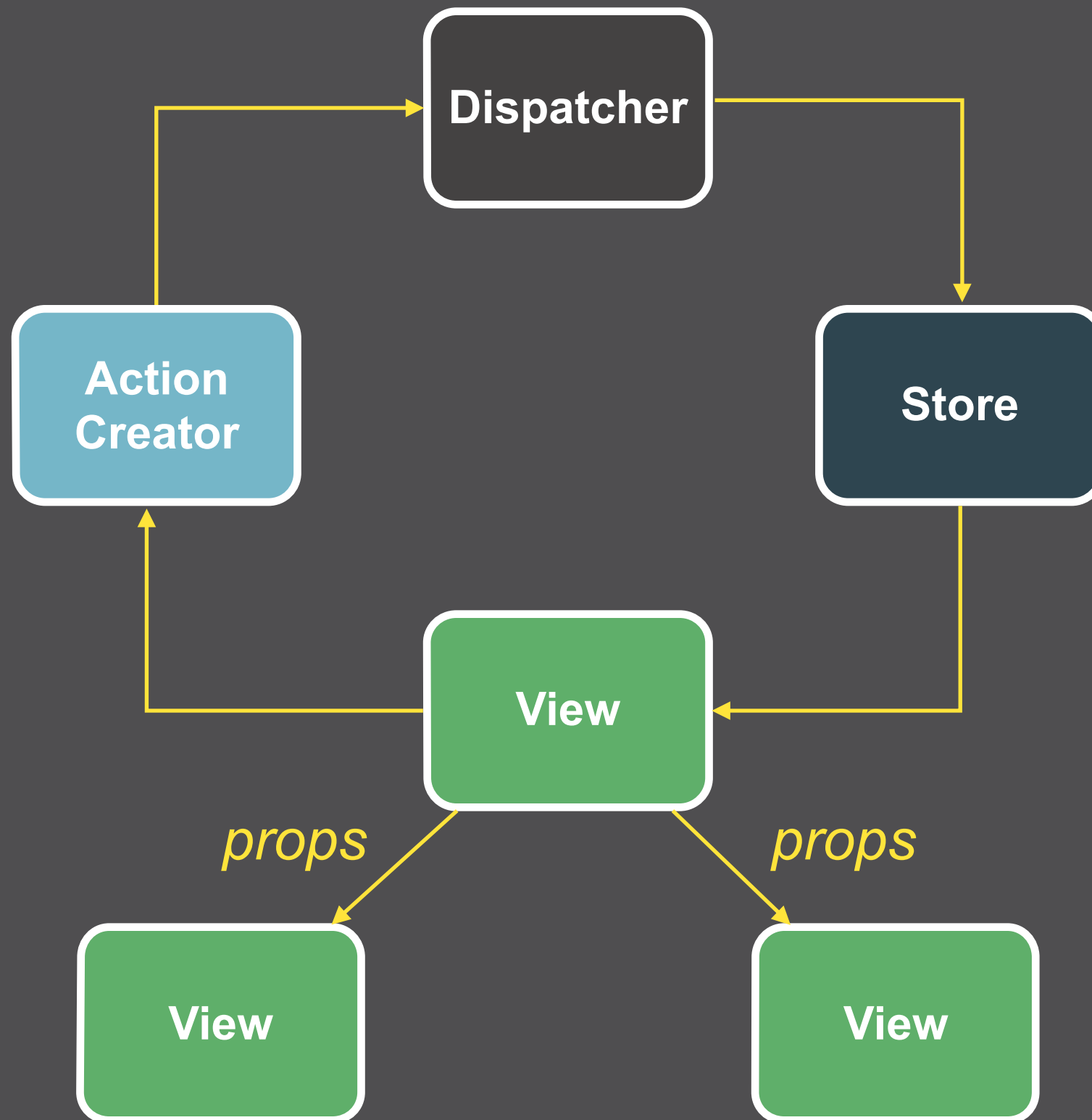


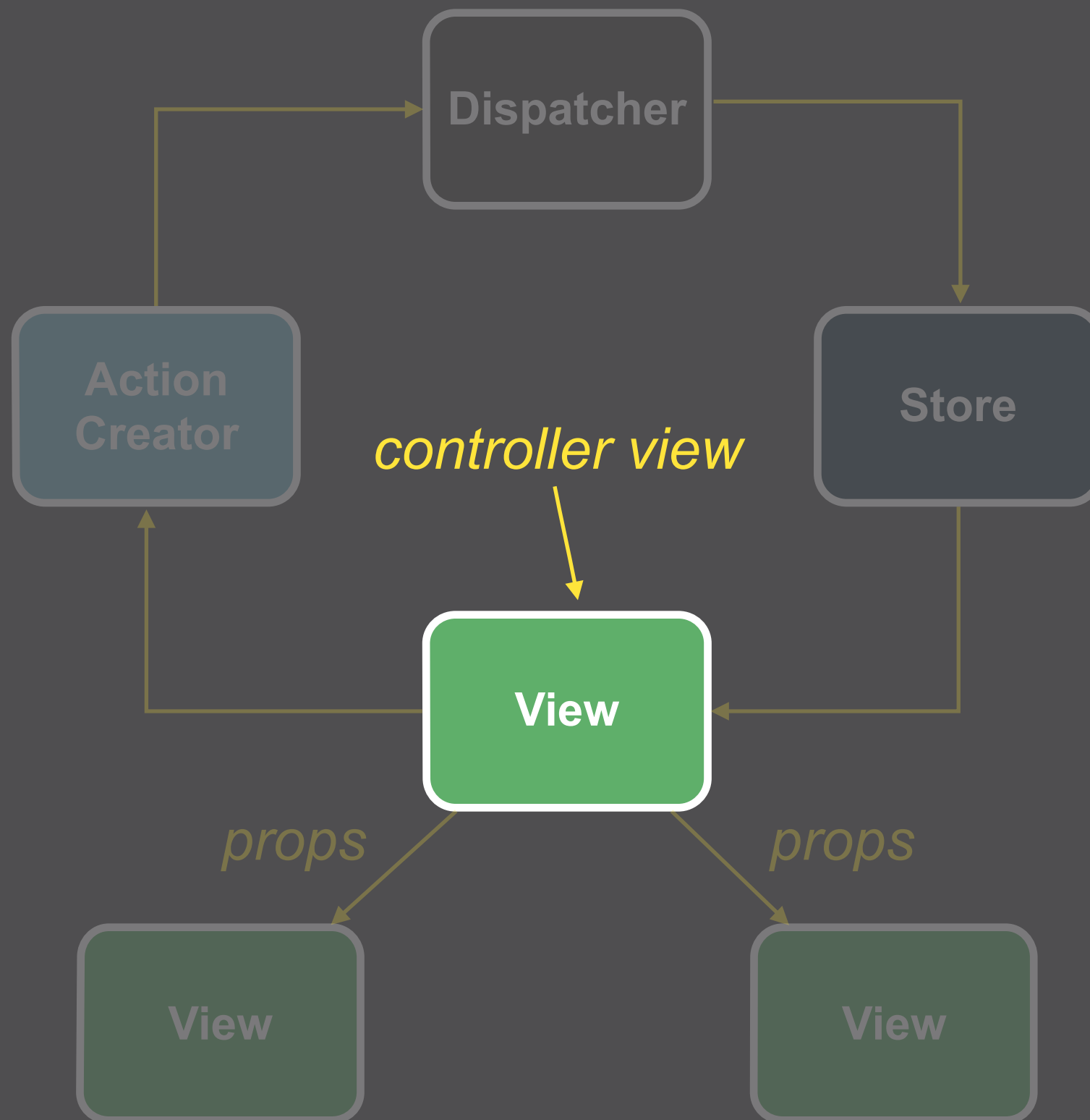




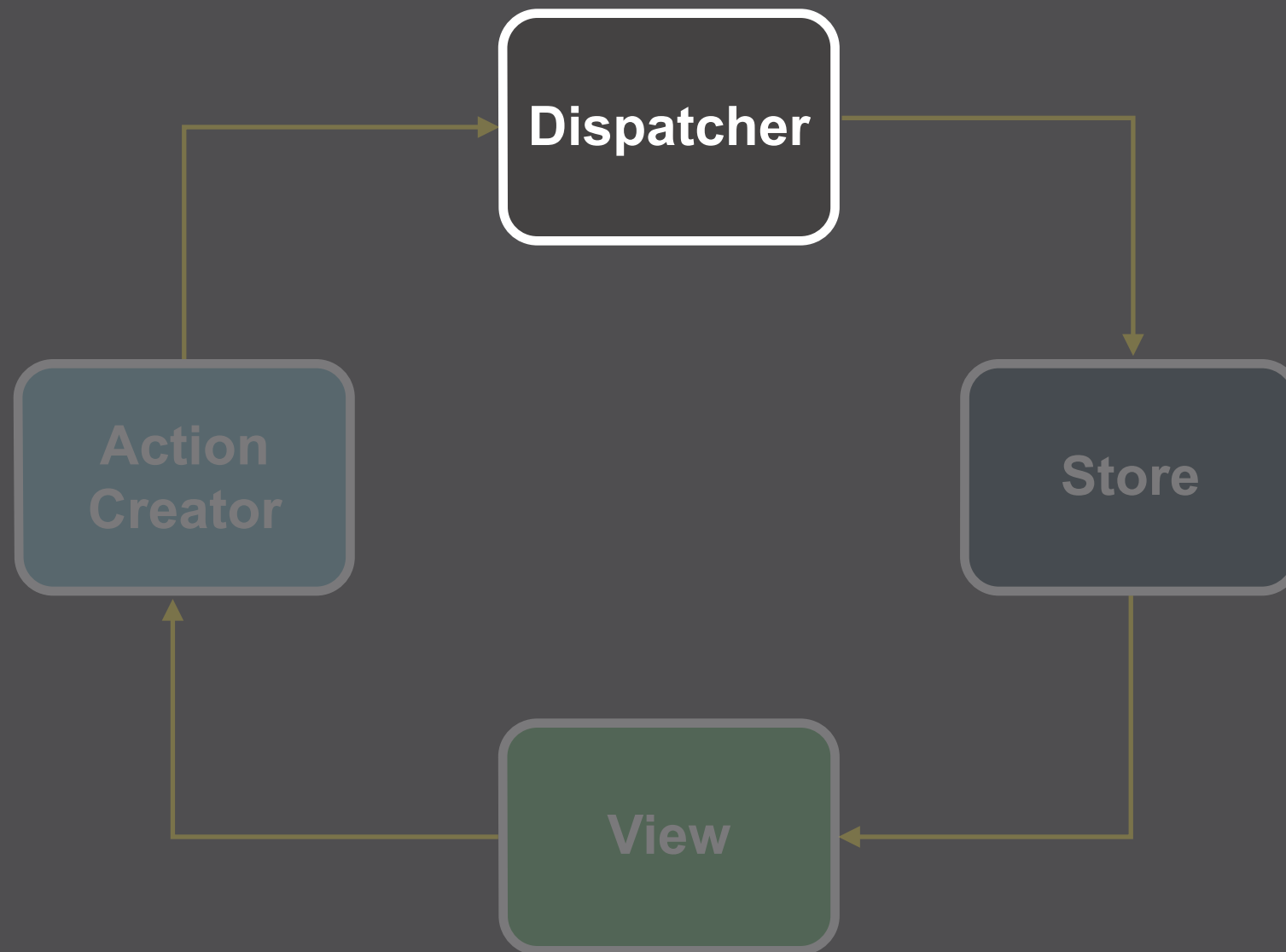


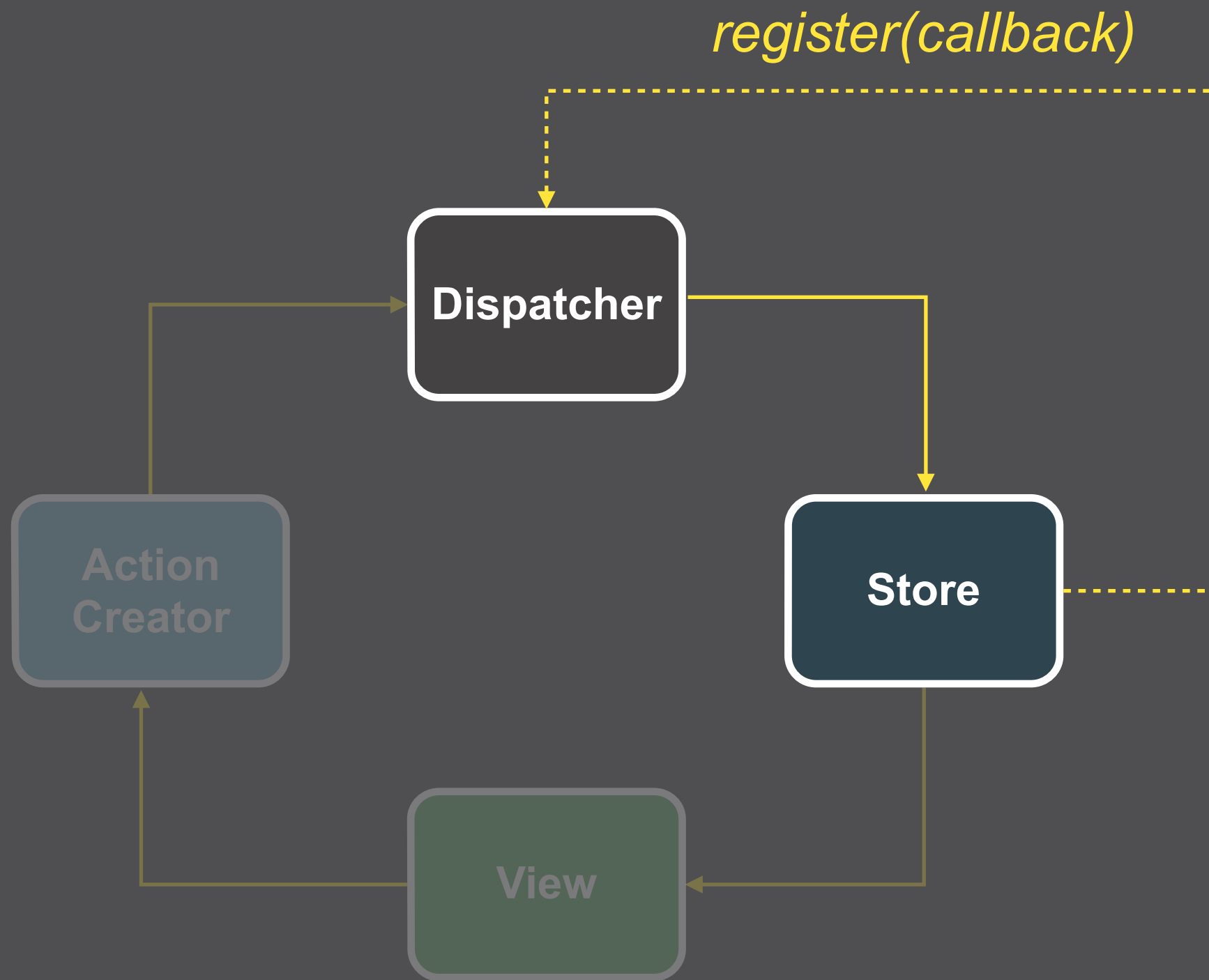




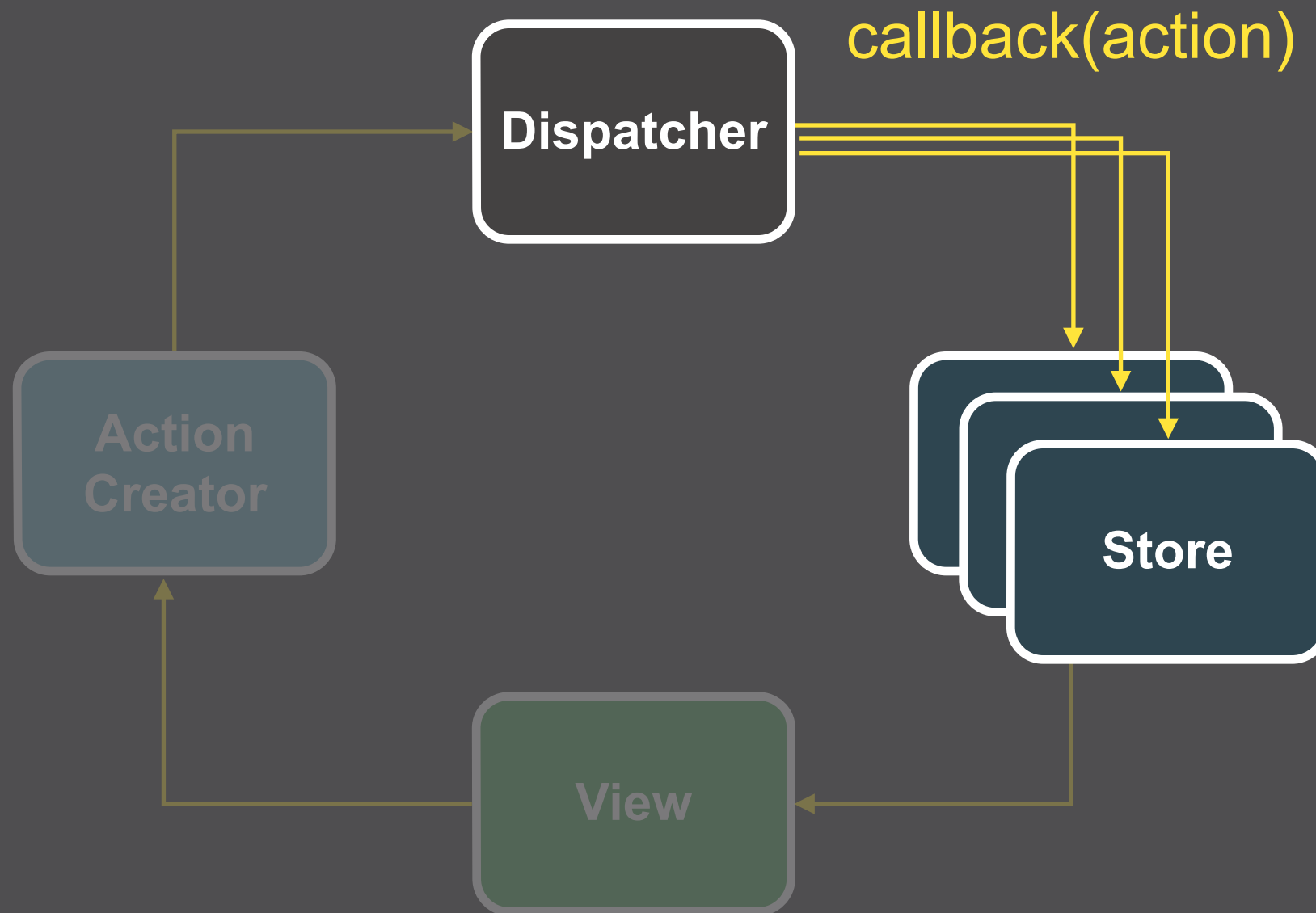


Centrale komponenter

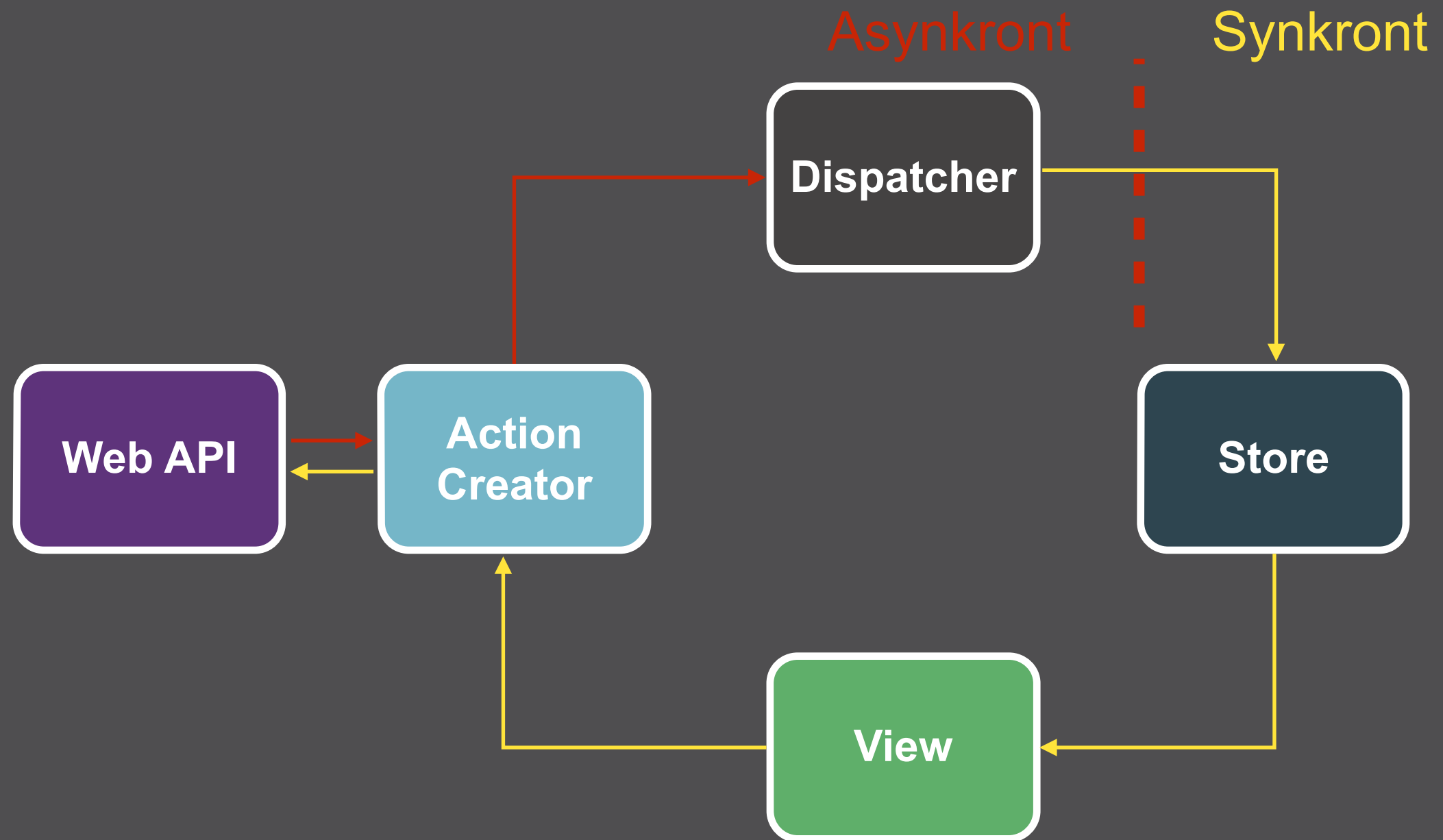




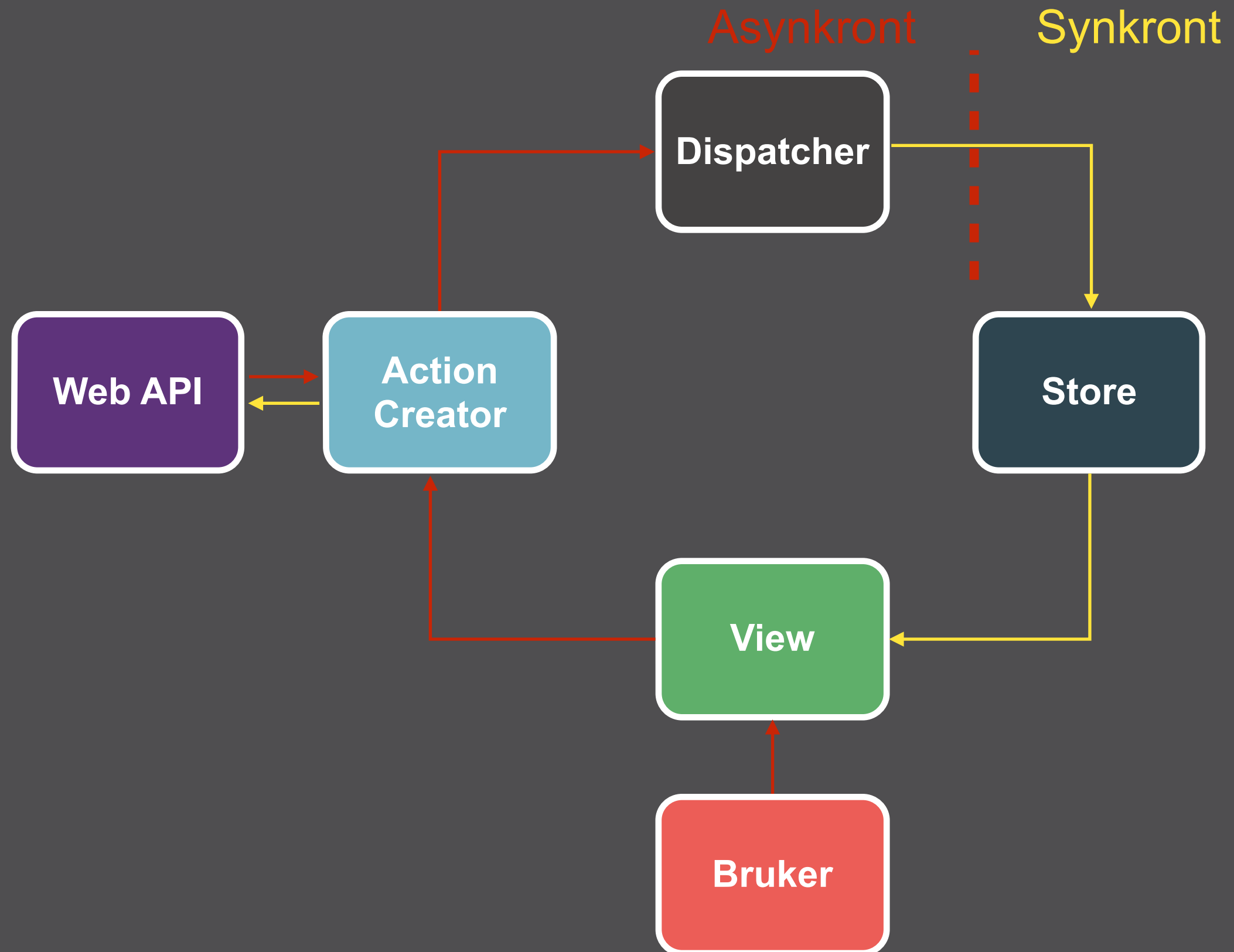
Synkron broadcasting



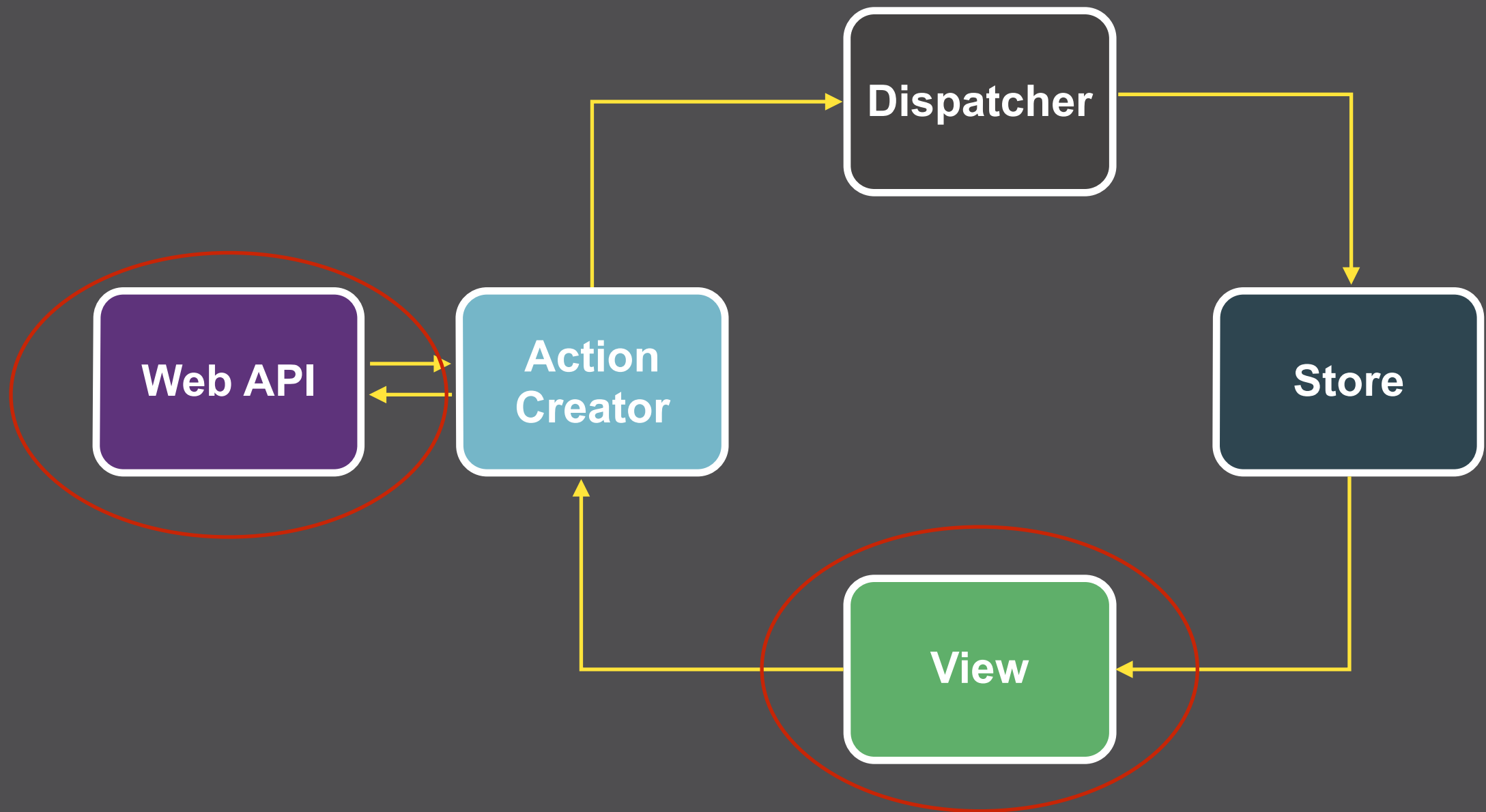
Async “barriere”



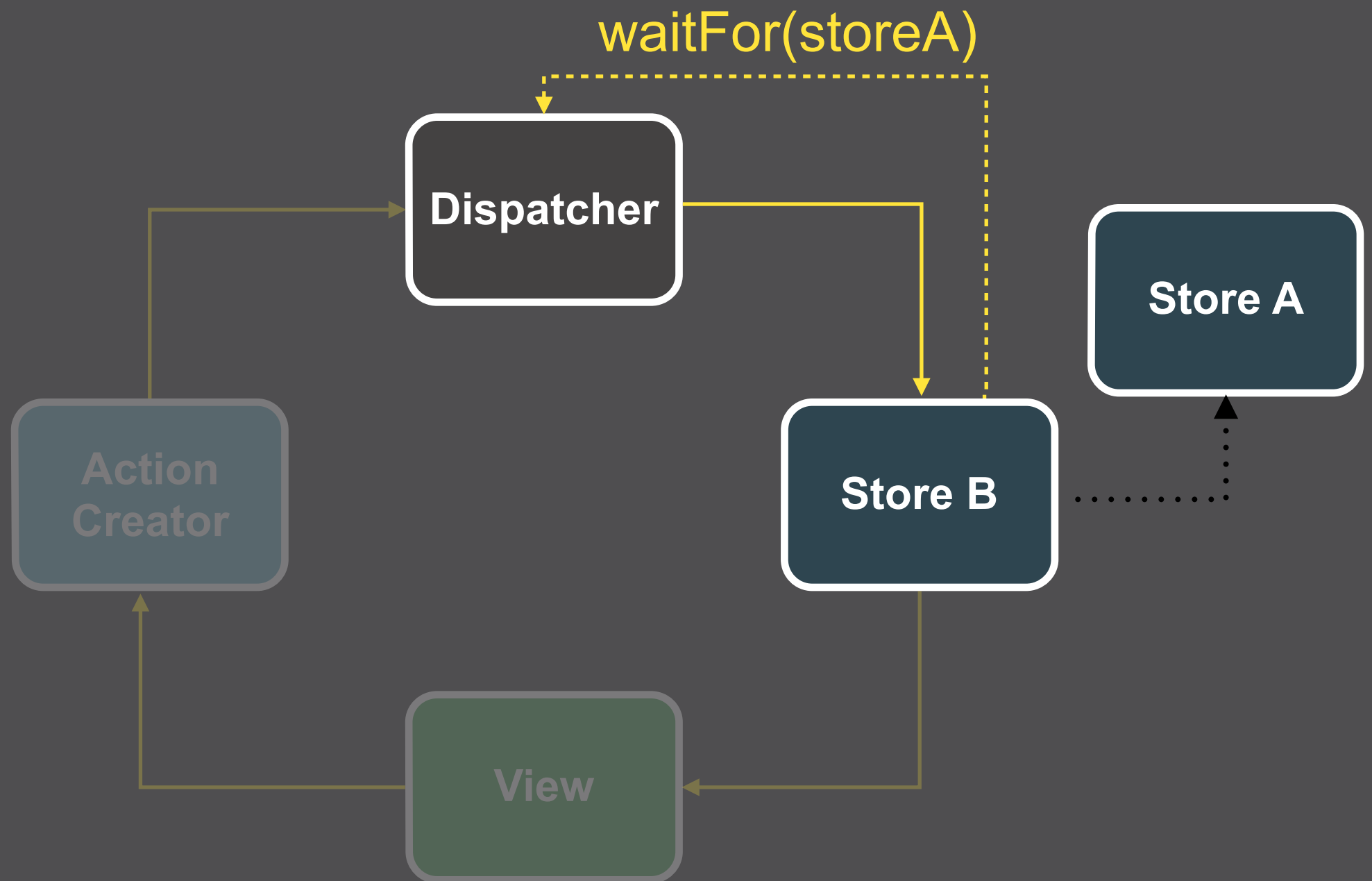
Async “barriere”



Isolering av async



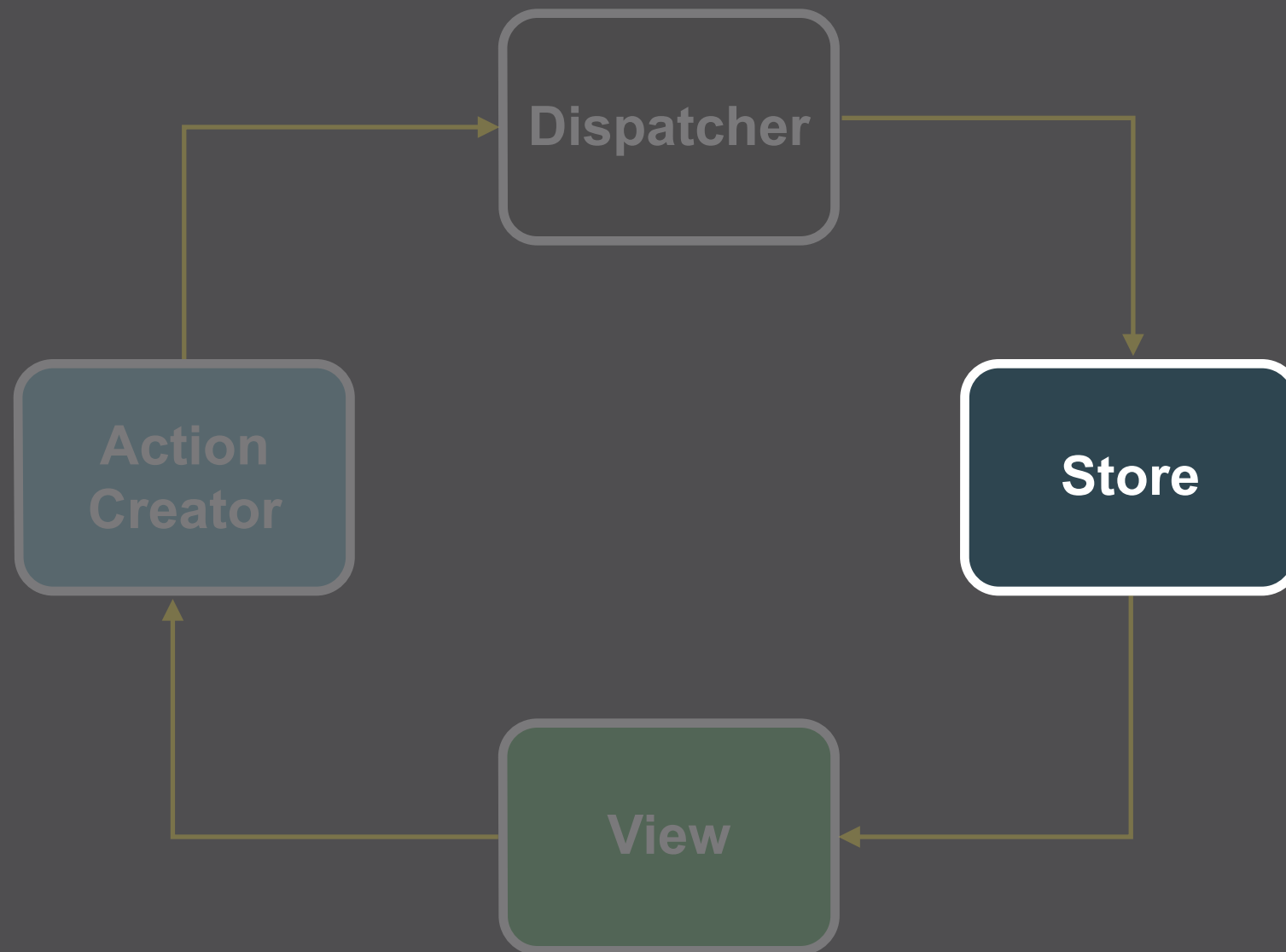
Avhengigheter



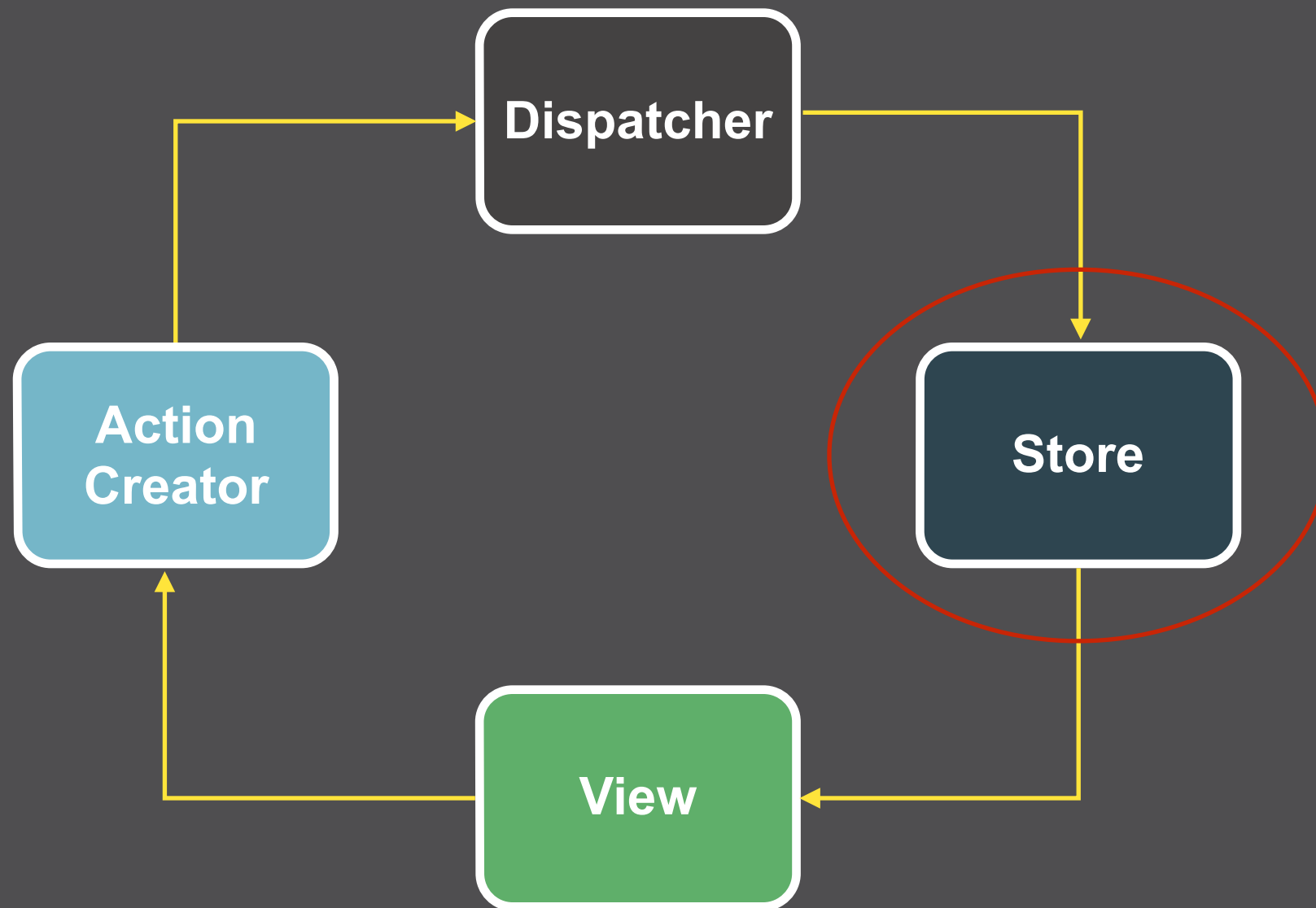


Dispatcher

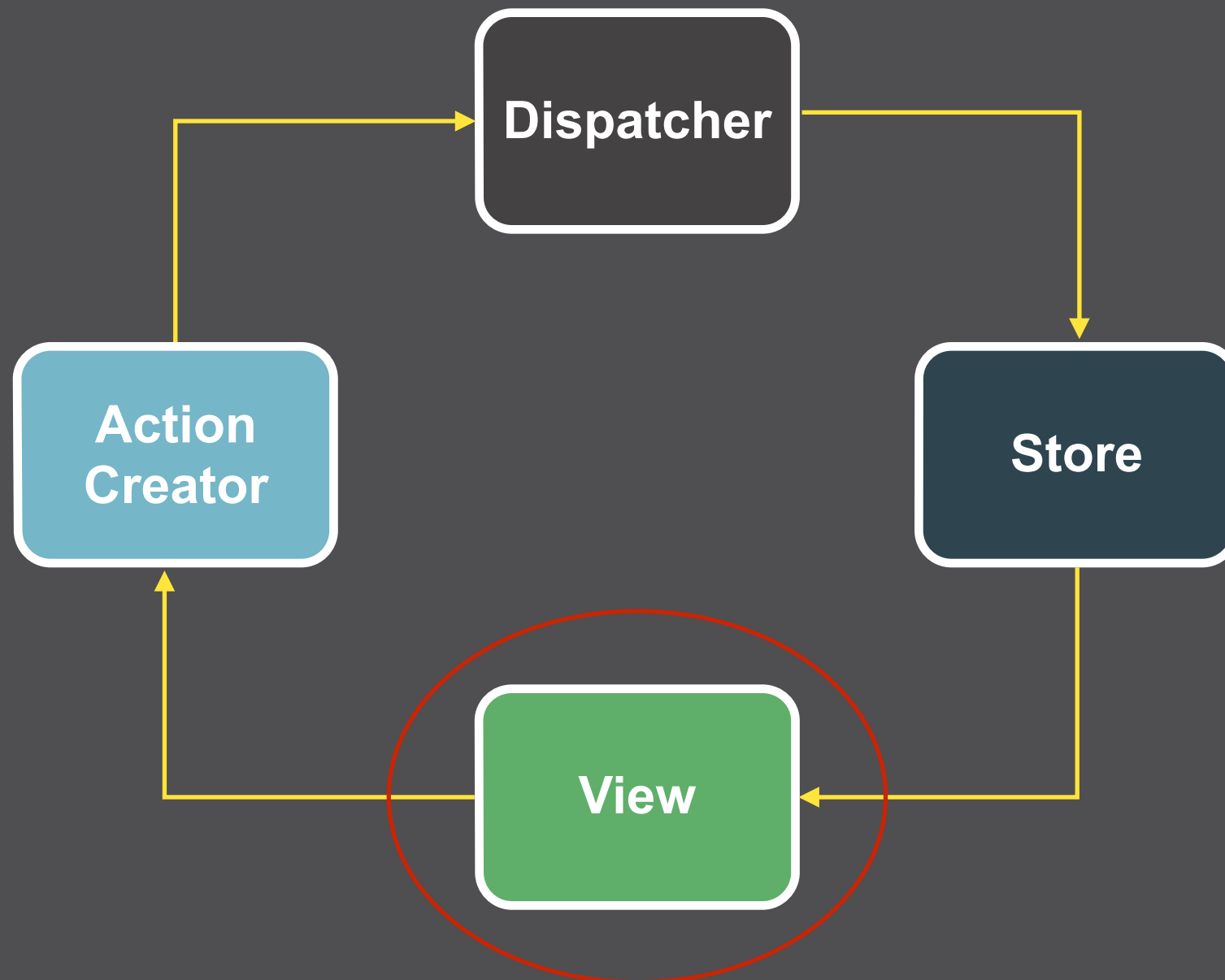
- Register over callbacks i stores
- Barriere mellom asynkront/synkront
- Kan håndtere avhengigheter mellom stores
- *dispatch(action), register(callback), waitFor(store)*



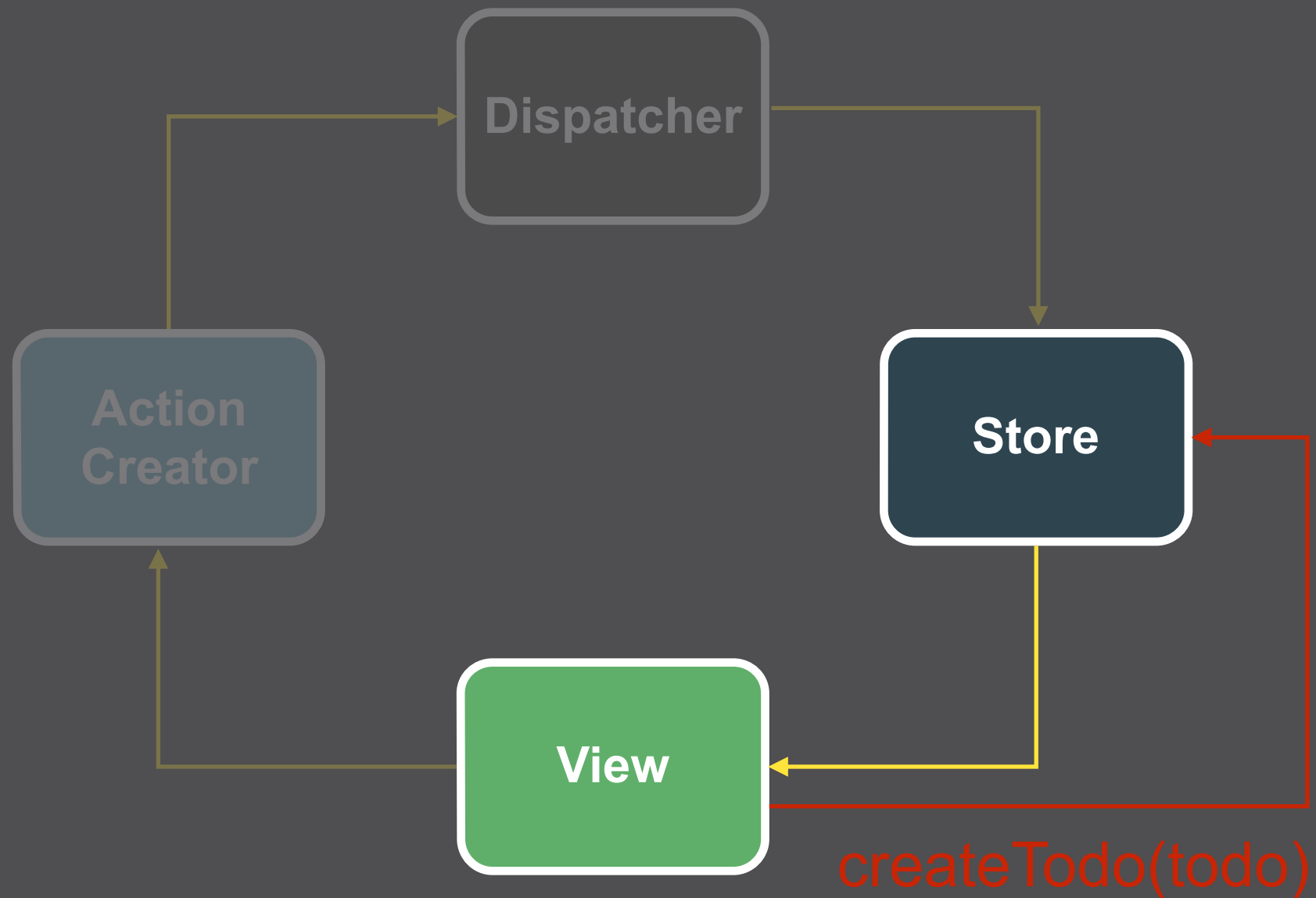
Isolering av tilstand



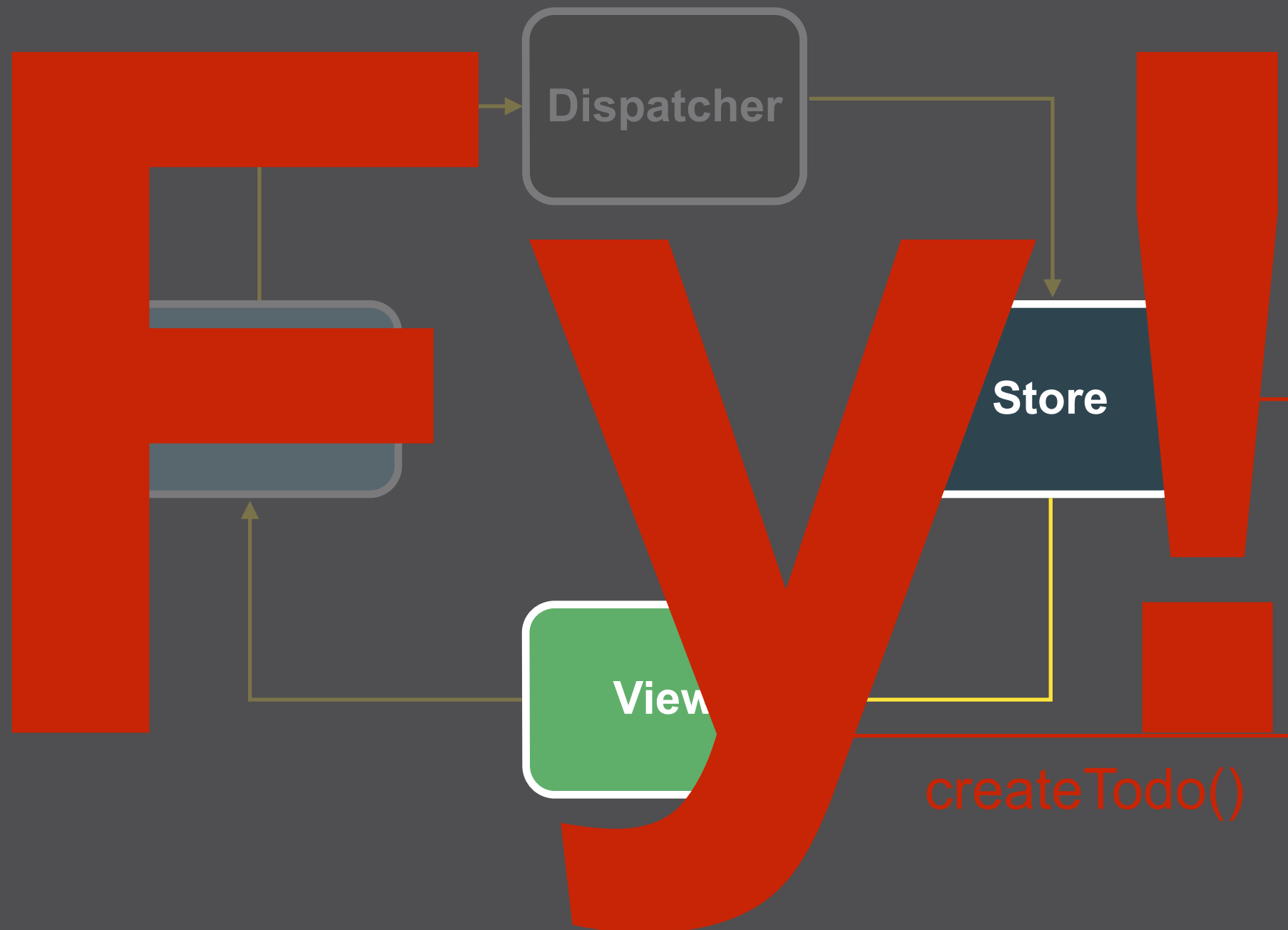
GUI-tilstand i Views



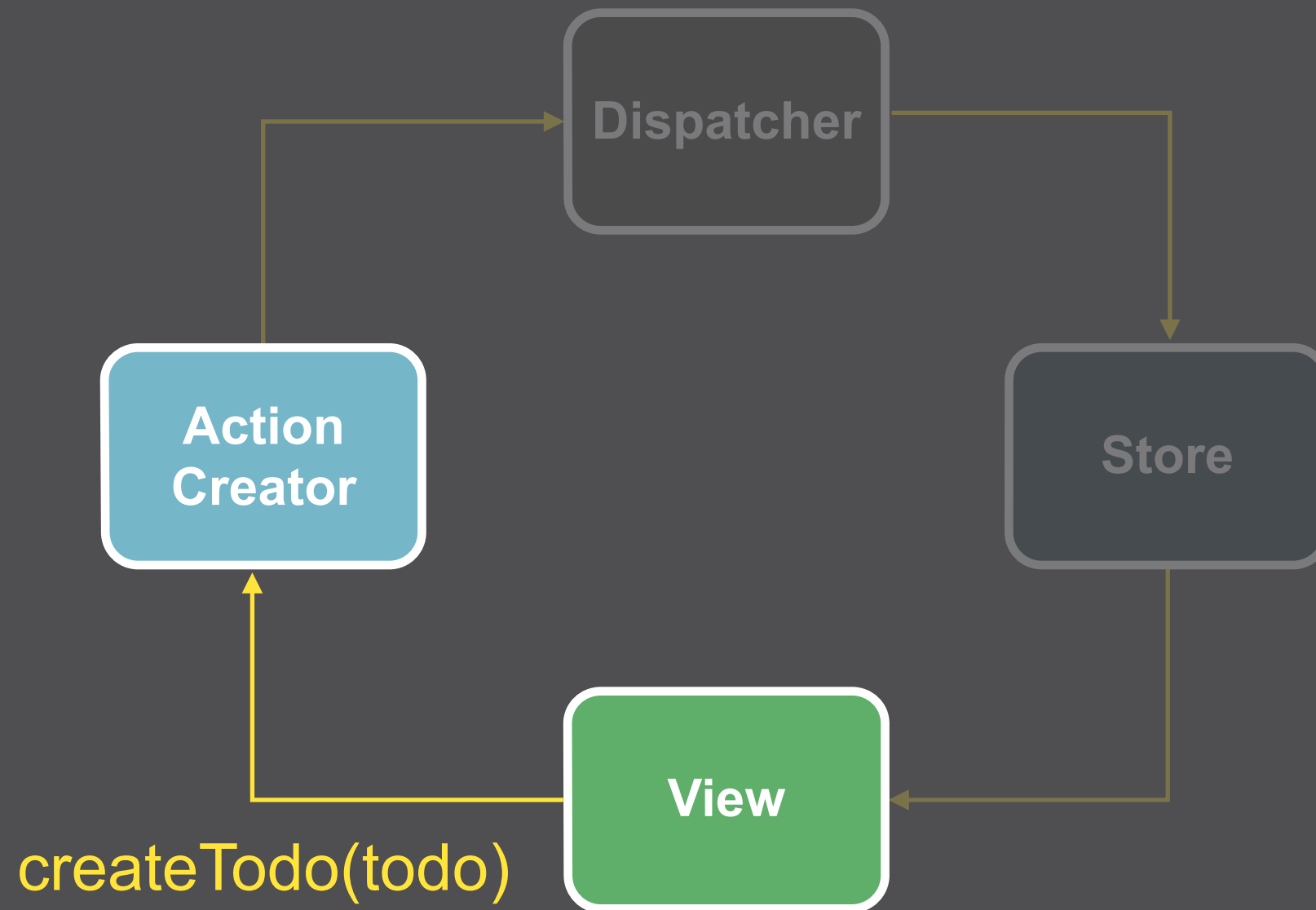
Kun lesetilgang



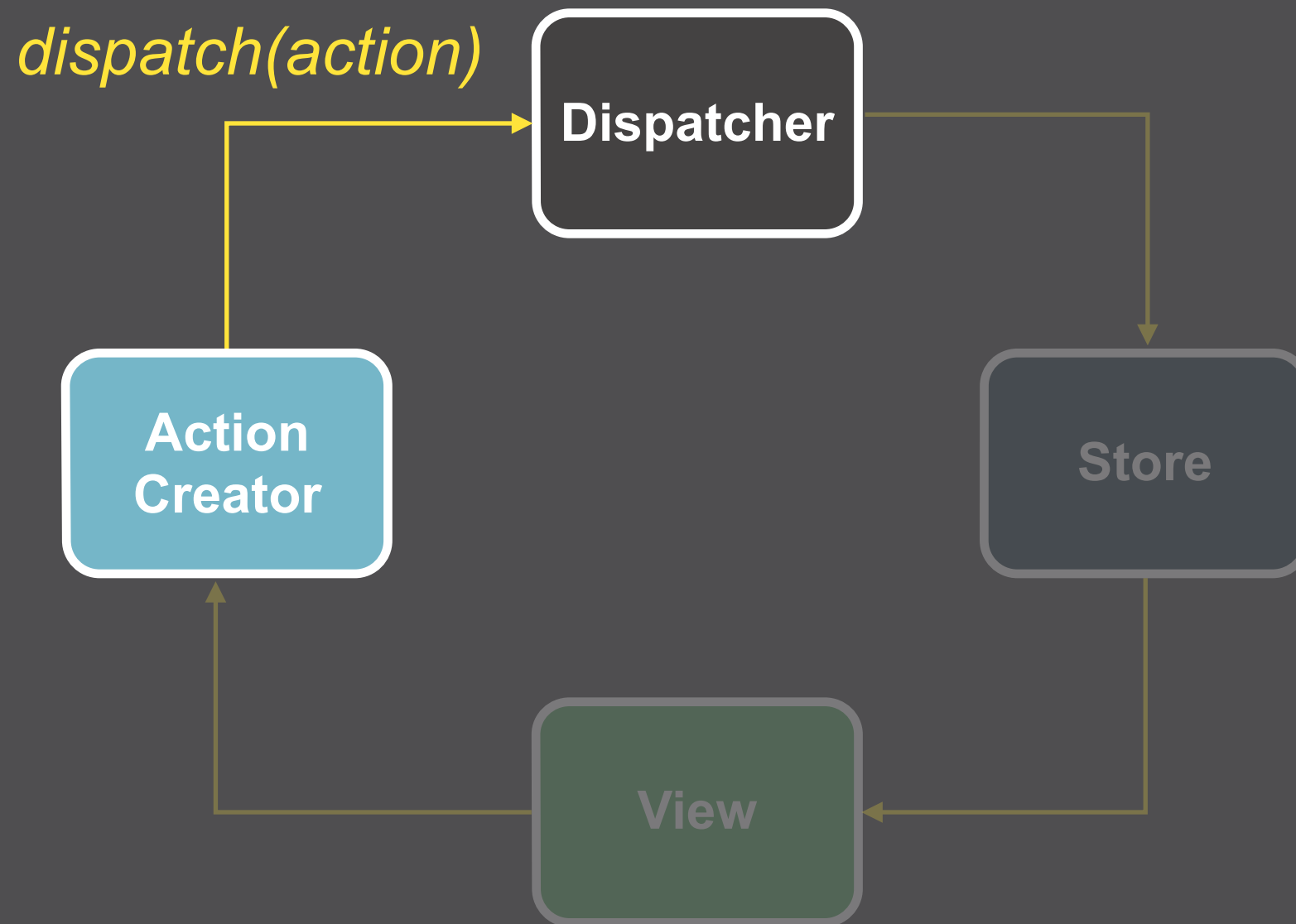
Kun lesetilgang



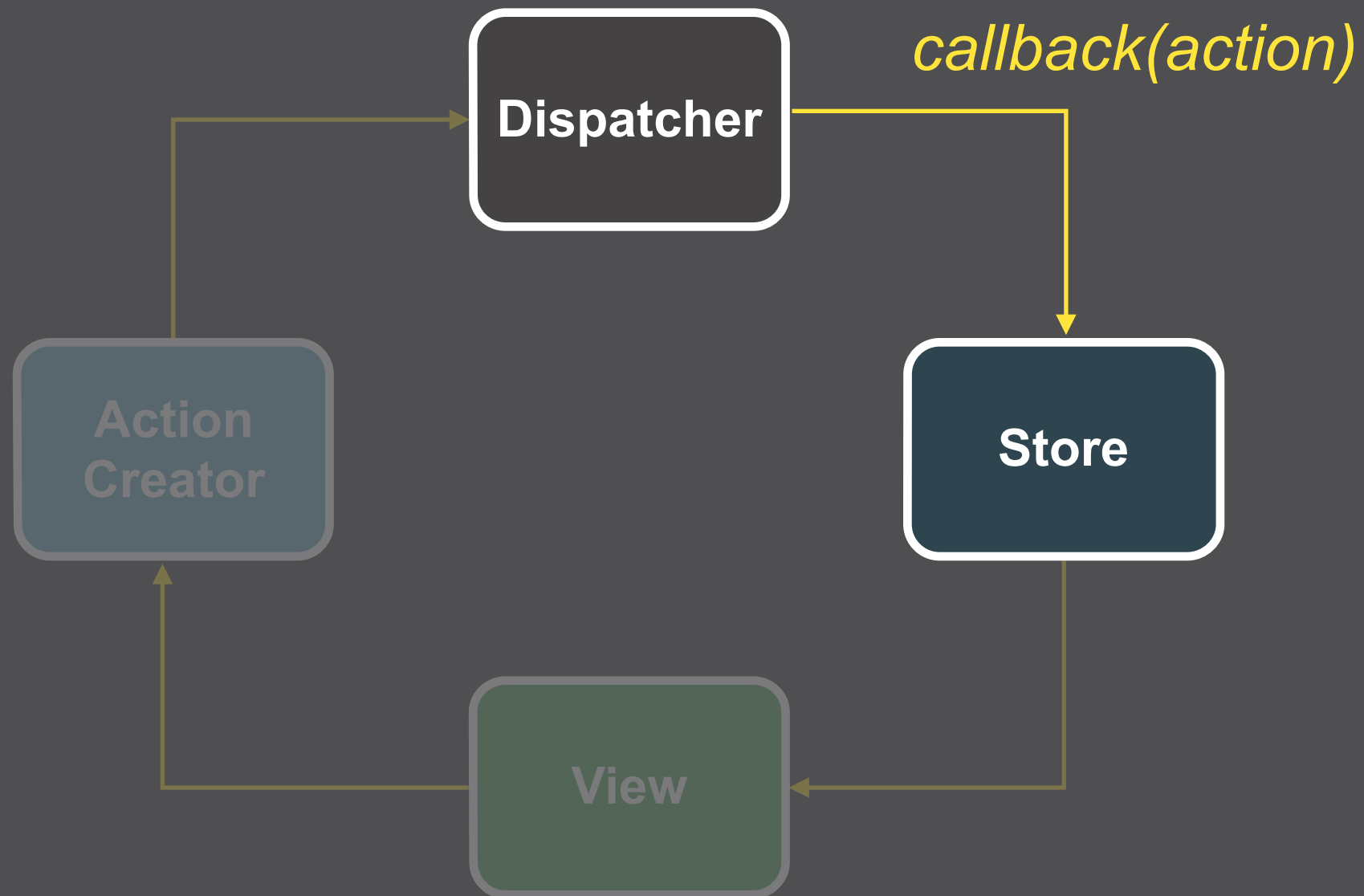
Kun lesetilgang



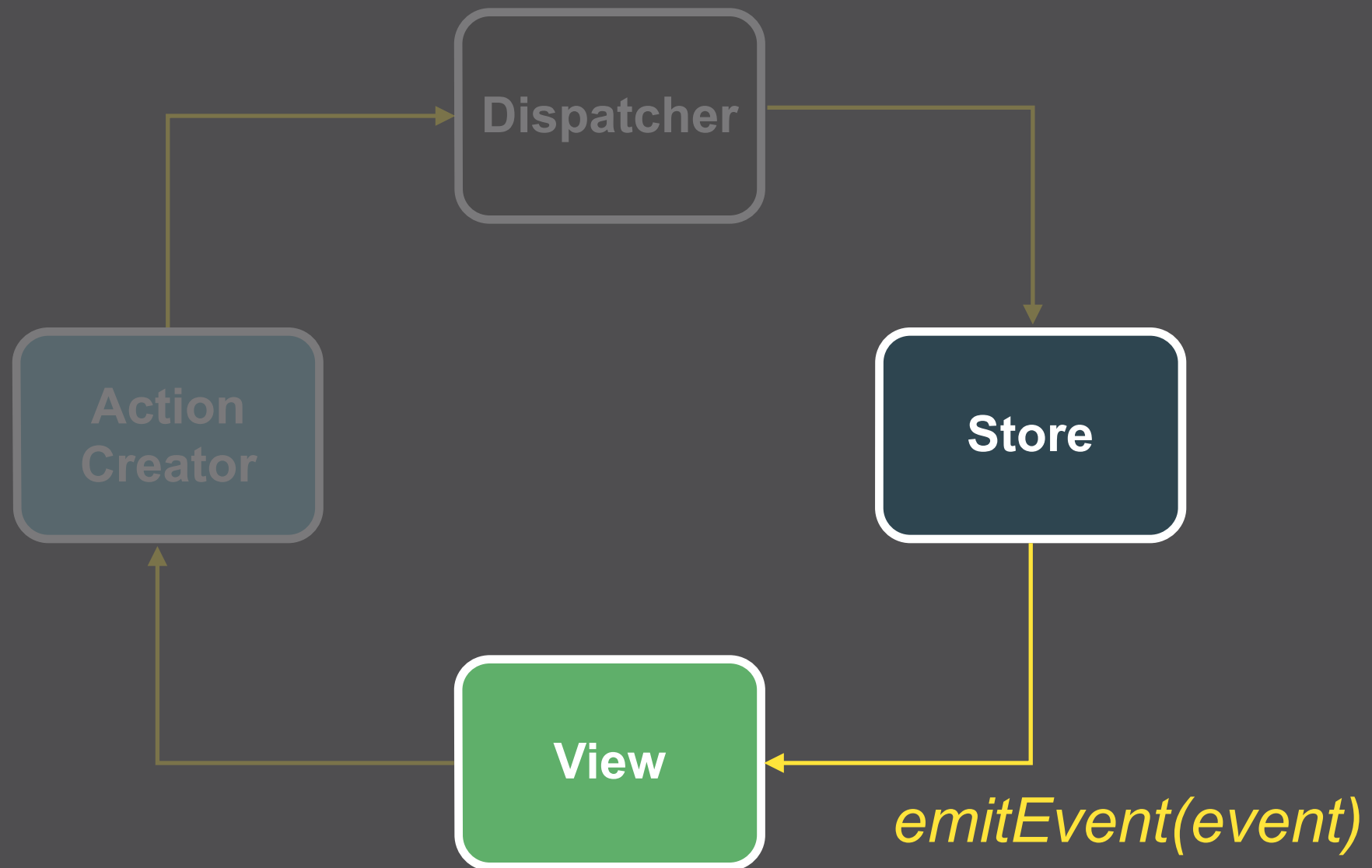
Kun lesetilgang



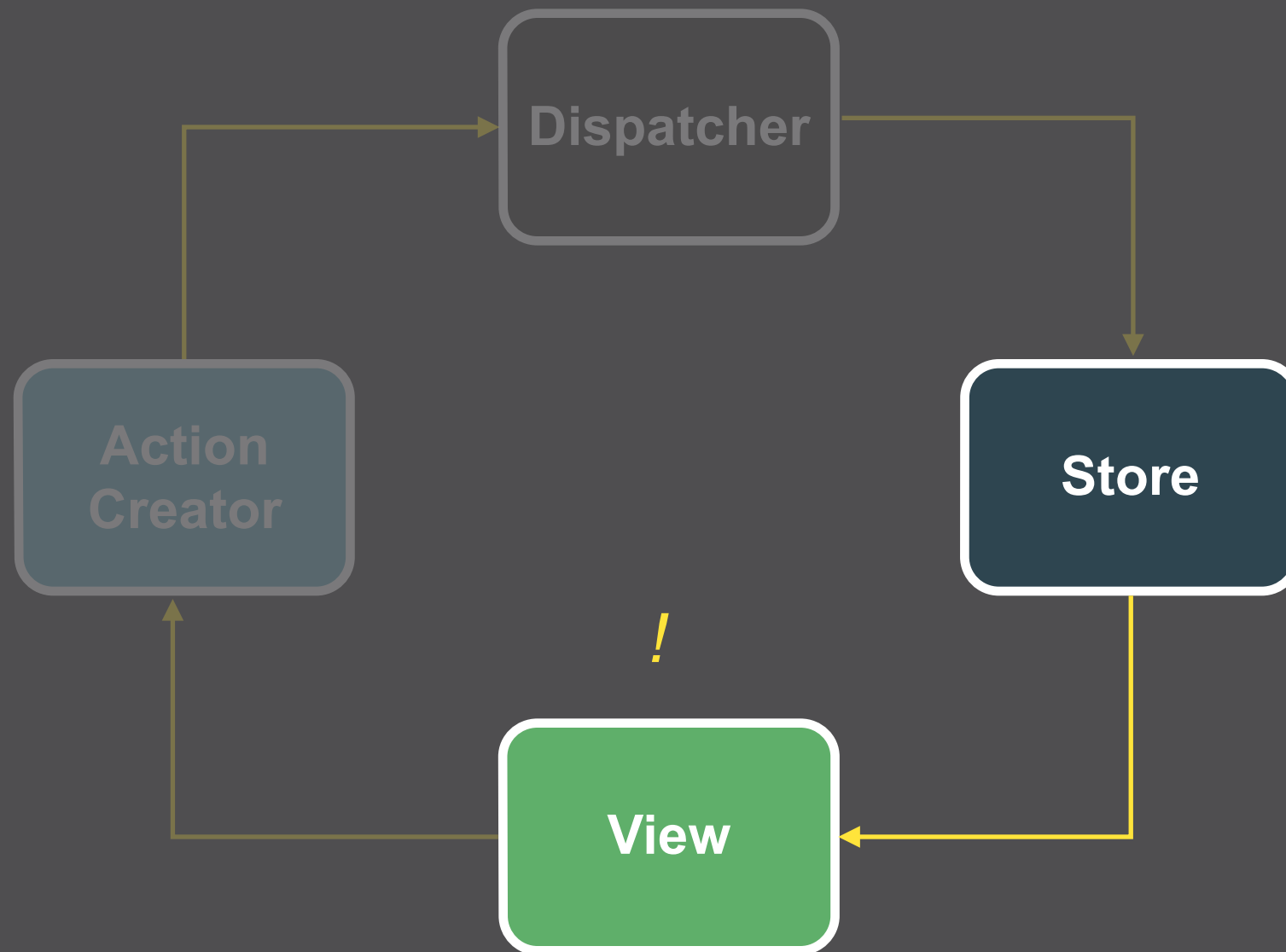
Kun lesetilgang



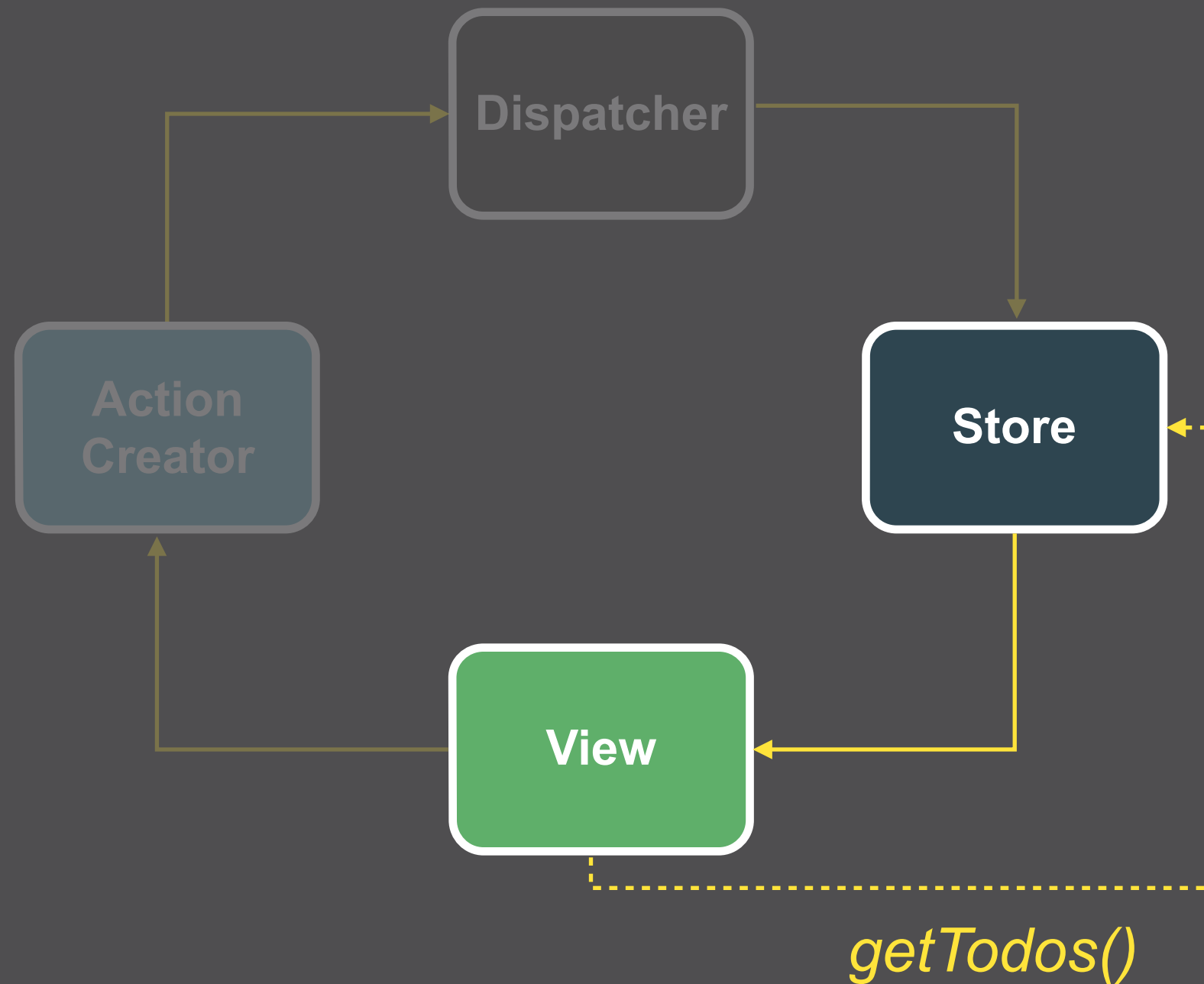
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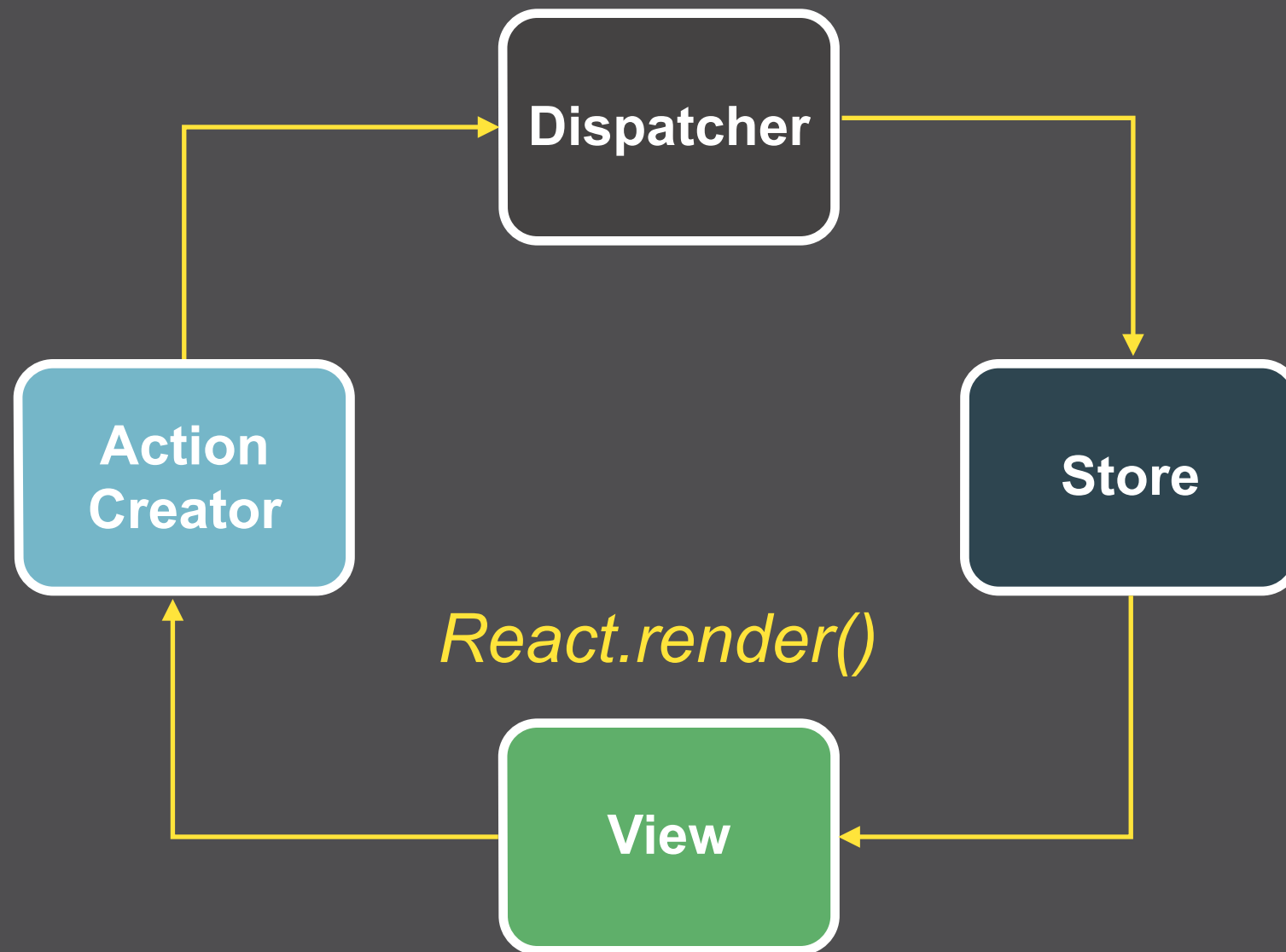


Kun lesetilgang



Kun lesetilgang

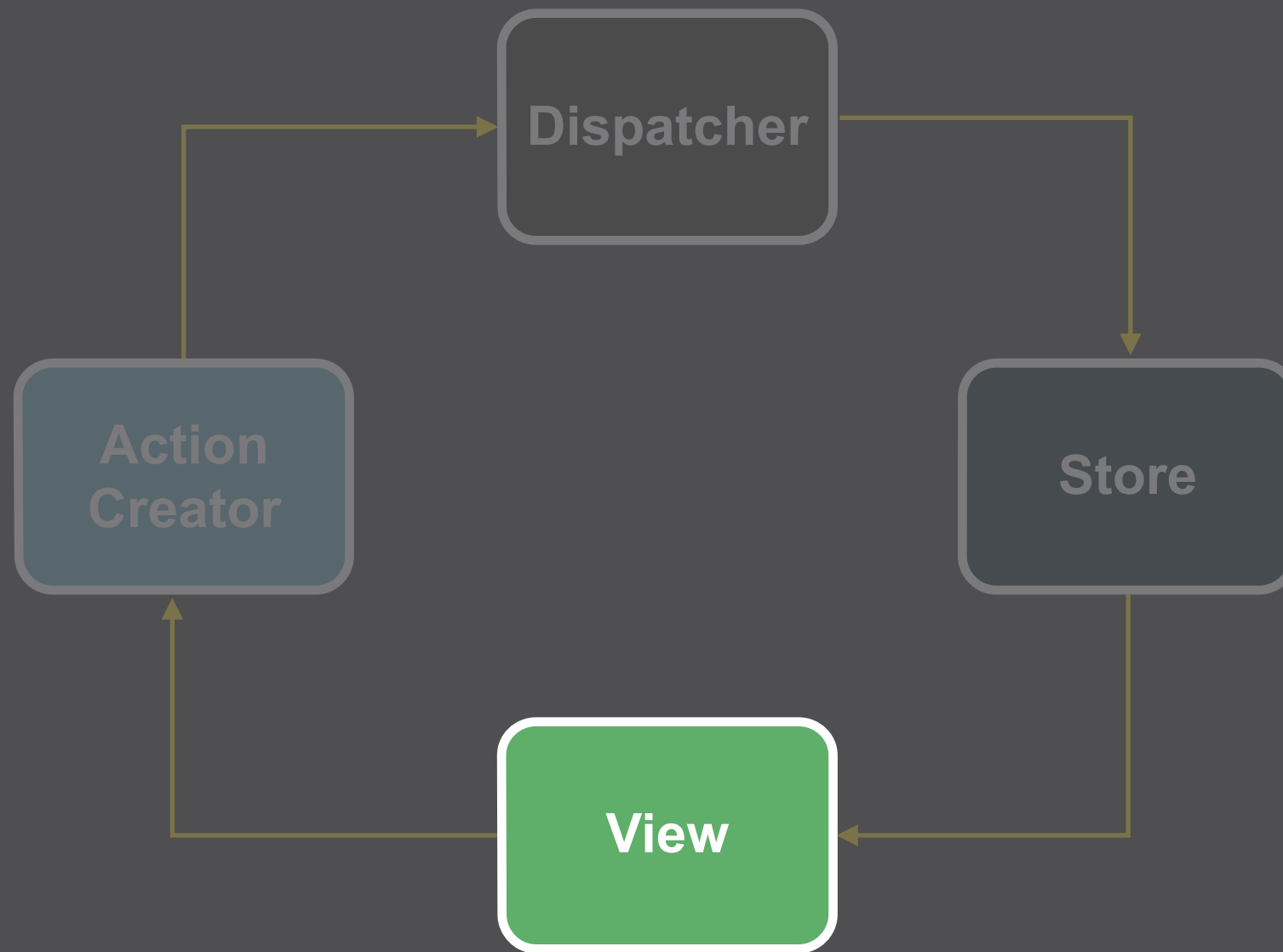


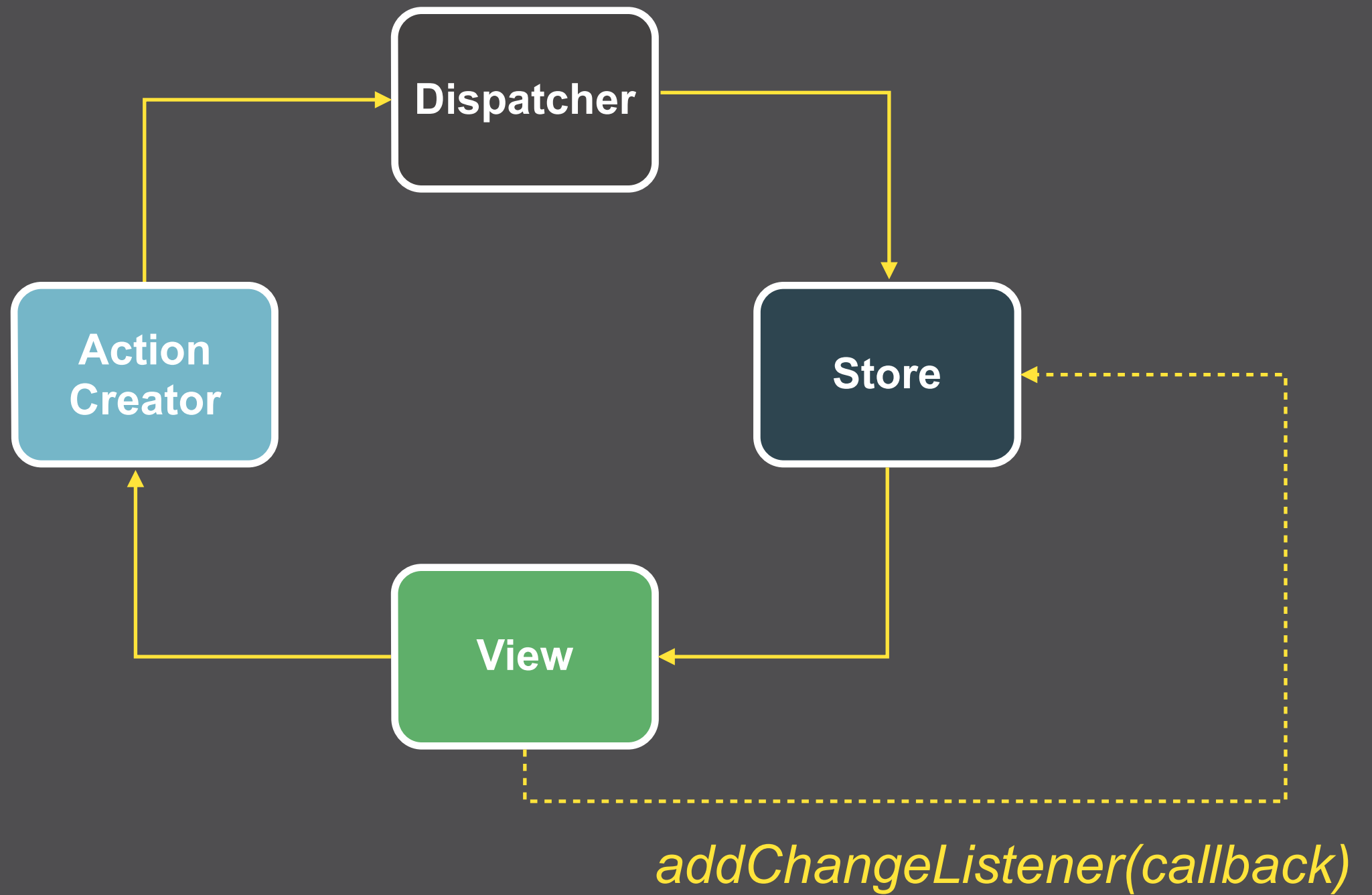


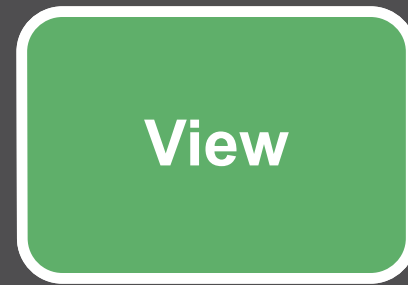


Store

- Registrer seg hos dispatcher vha *register(callback)*
- Inneholder all forretningslogikk og tilstand
- Én store for hvert domene
- Oppdaterer views via events (EventEmitter)







- Flux er ment som et komplement til React
- Controller views lytter på stores
- Mottar events fra stores (Event Emitter)
- Kun lesetilgang til stores

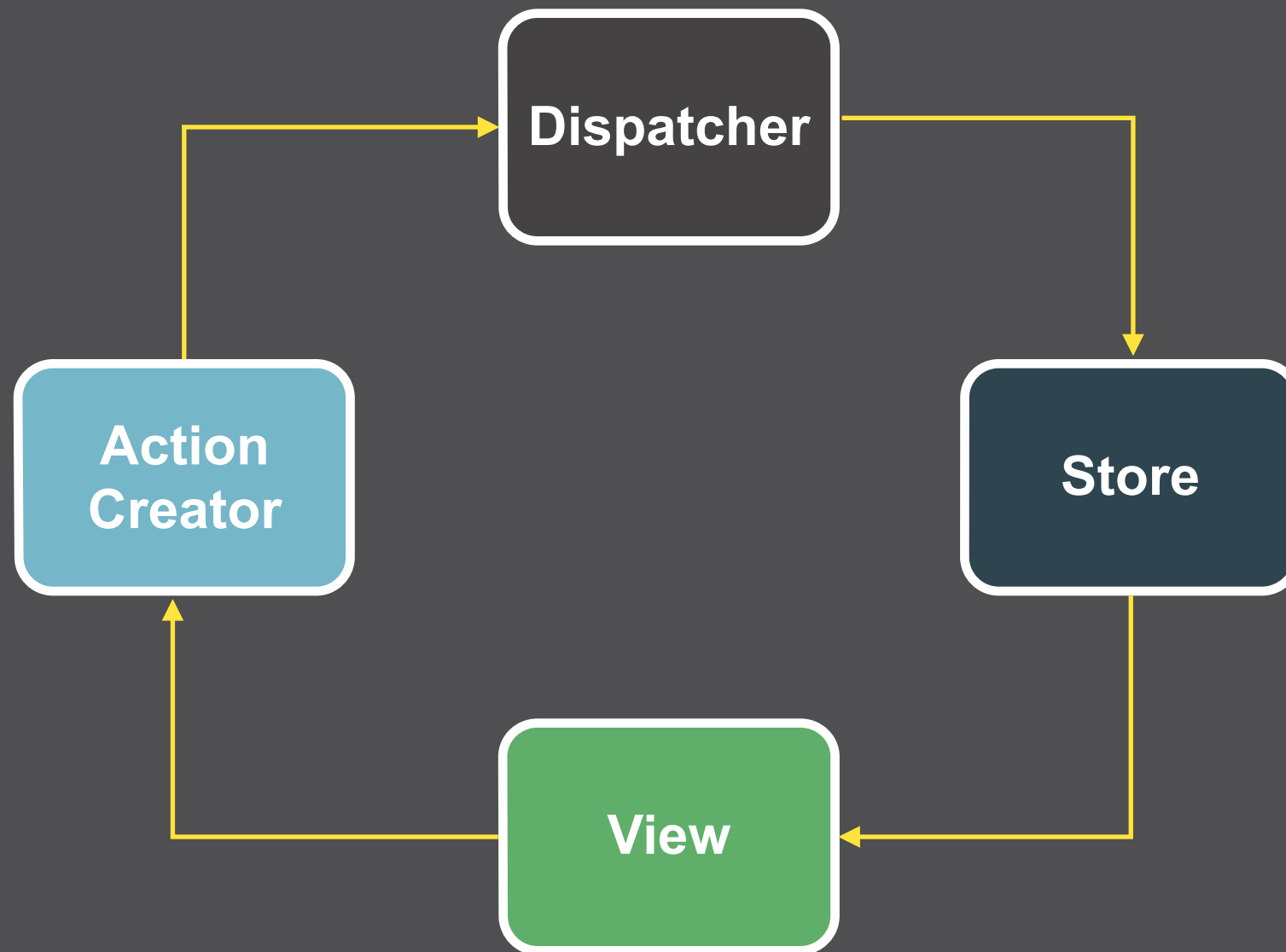
Hvorfor?

Hvorfor Flux?

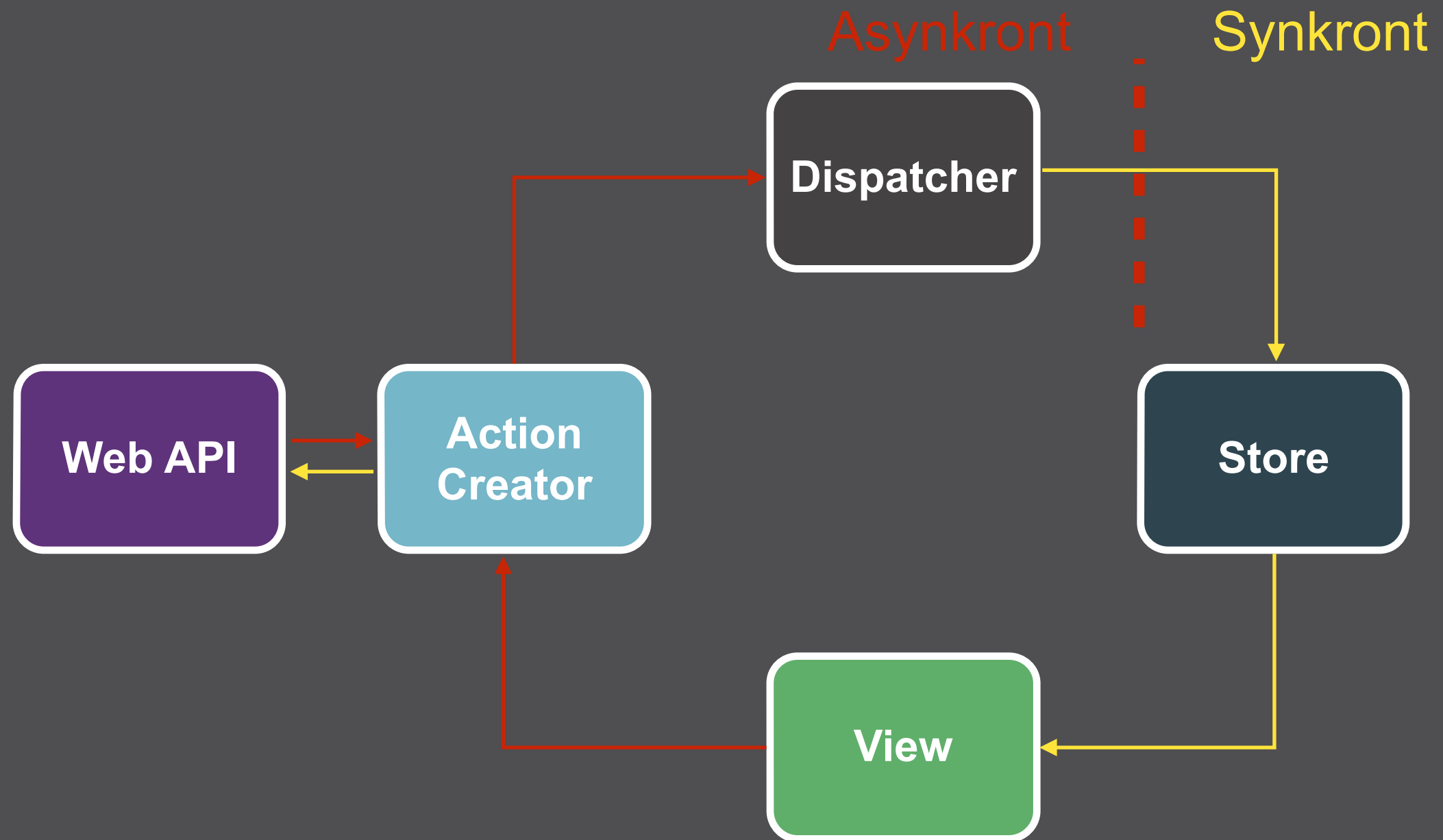
- Konseptuelt enkelt
- Forutsigbart
- Lett å resonnere rundt
- Isolerer asynkronitet og tilstand

Oppsummering

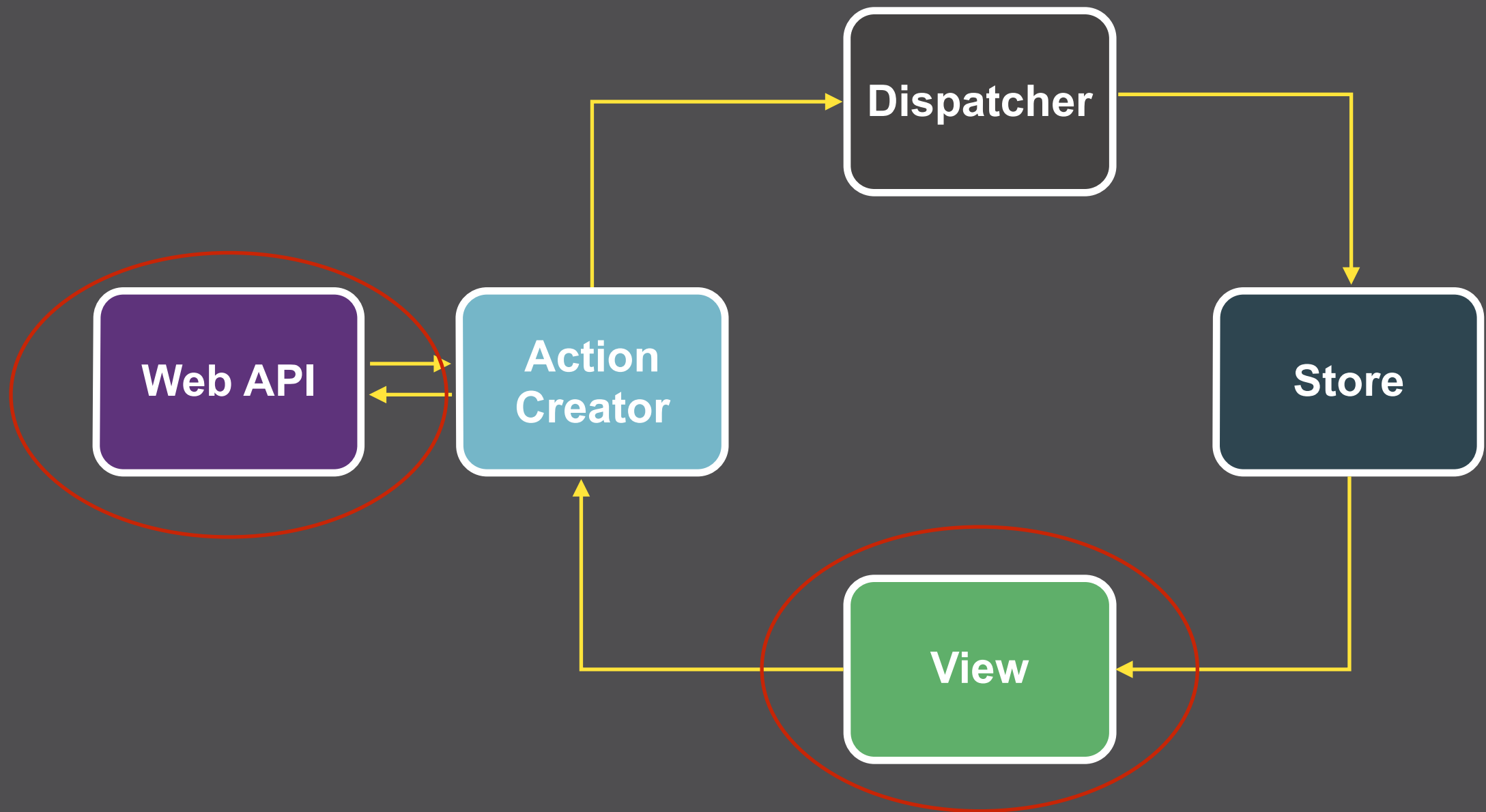
Dataflyten går kun én vei



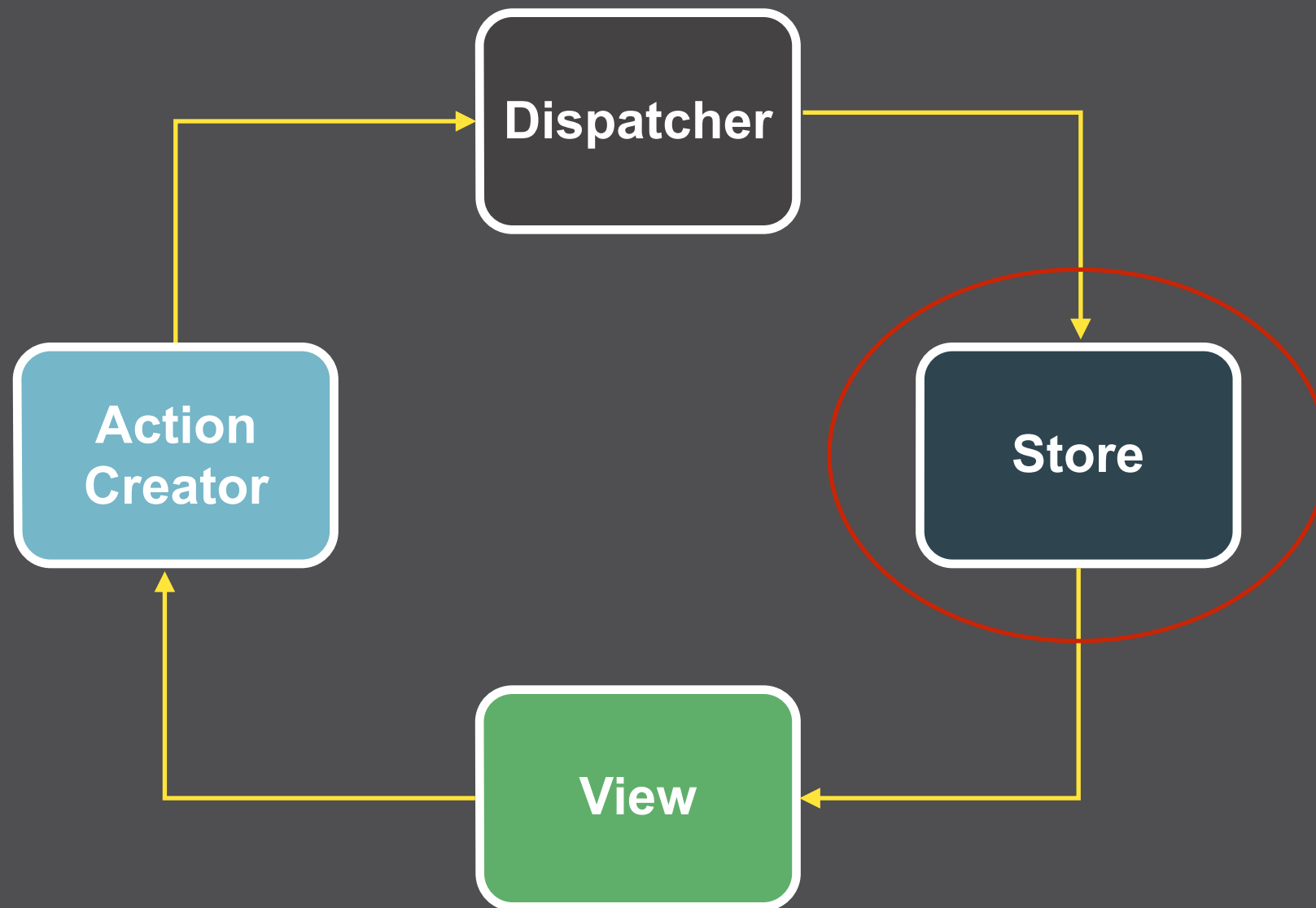
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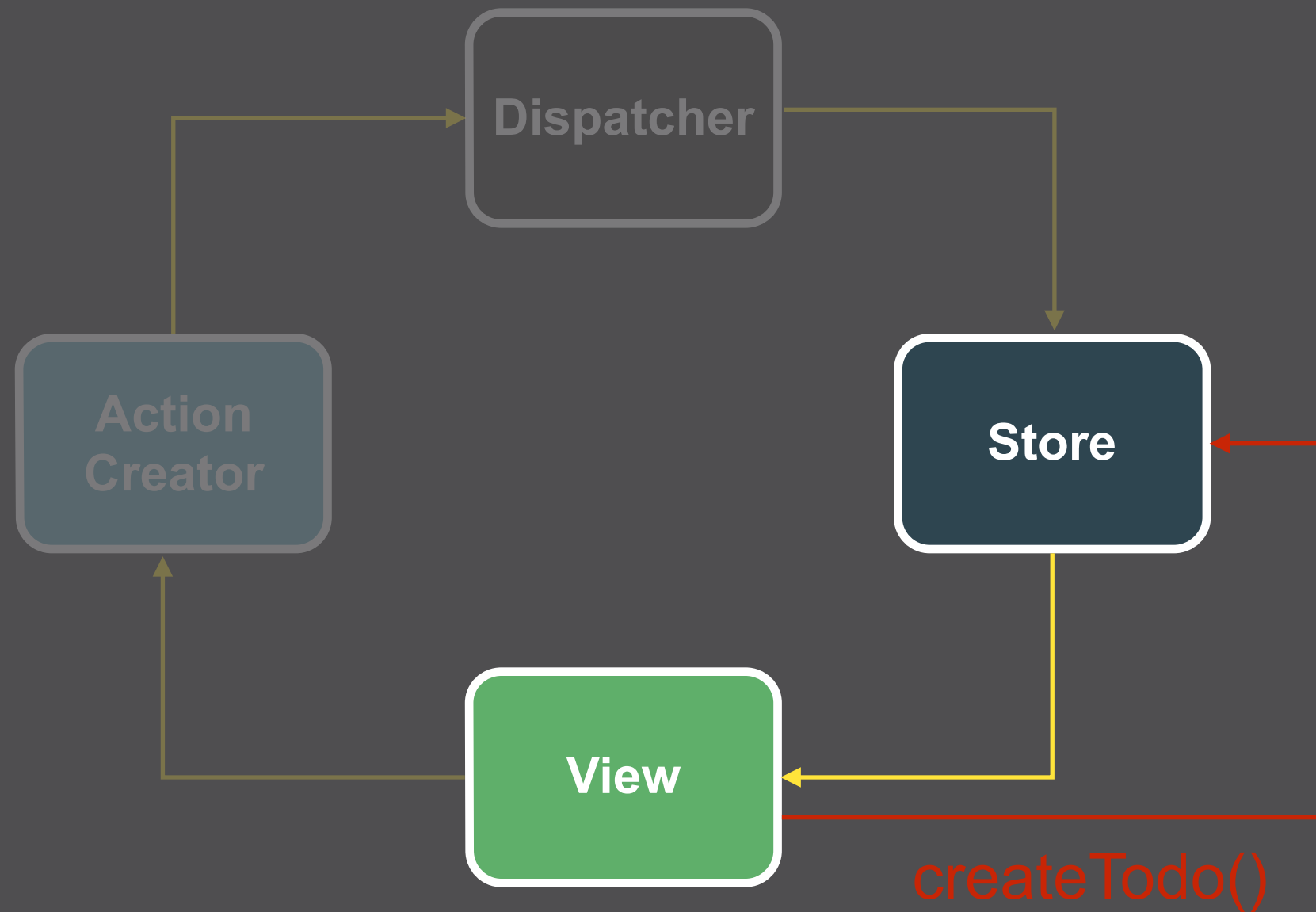
Isolering av async



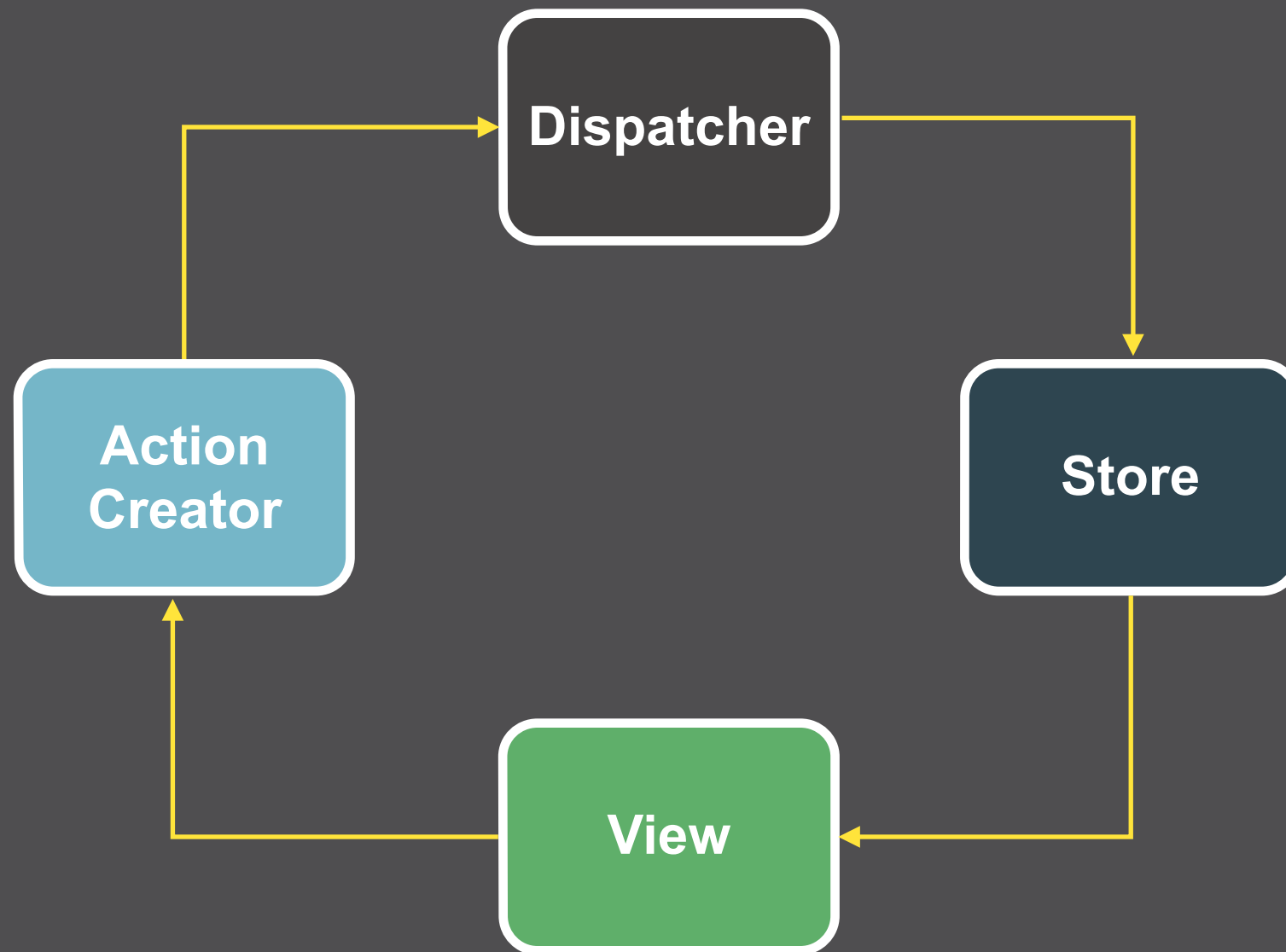
Isolering av tilstand



Kun lesetilgang



Mental modell



Framover

- Finsliping av konseptene (reflux, fluxxor, fluxible)
- Mer påvirkning fra funksjonelle paradigmer (frp, bacon.js, rxjs)
- om (Clojurescript), omniscient (JS)
- Flow, Typescript

<https://github.com/kjbekkelund/flux-workshop>

